Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034509.D
Acq On : 30 Dec 2019 10:24
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Dec 30 14:19:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1115558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2263181	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2336980	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1919246	9.76	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1364287	6.760	ppbv	99
3) Chlorodifluoromethane	2.95	51	1163964	8.363	ppbv	98
4) Chloromethane	3.11	50	702845	8.561	ppbv	98
5) Vinyl Chloride	3.23	62	662619	8.614	ppbv	93
6) Bromomethane	3.45	94	357638	9.241	ppbv	90
7) Chloroethane	3.53	64	246756	8.838	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1551091	8.558	ppbv	99
9) Propene	2.98	41	481933	7.799	ppbv	98
10) Heptane	8.15	43	1295413	8.123	ppbv	98
11) Trichlorofluoromethane	3.93	101	1806173	8.993	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1191900	8.936	ppbv	100
13) Ethanol	3.58	45	119987	6.971	ppbv	95
14) Bromoethene	3.71	108	489965	9.034	ppbv	99
15) Acetone	3.83	43	1287721	8.061	ppbv	100
16) 1,3-Butadiene	3.30	39	608254	8.741	ppbv	98
17) tert-Butyl alcohol	4.28	59	1262254	9.401	ppbv	99
18) 1,1-Dichloroethene	4.27	96	530766	9.097	ppbv	93
19) Isopropyl Alcohol	3.95	45	980197	9.573	ppbv	100
20) Methylene Chloride	4.33	84	478677	8.450	ppbv	95
21) Allyl Chloride	4.40	41	901762	9.421	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	548496	9.326	ppbv	93
23) Vinyl Acetate	5.07	43	1812164	8.684	ppbv #	99
24) 1,1-Dichloroethane	5.01	63	1374742	8.576	ppbv	99
25) Ethyl Acetate	5.68	43	2356811	8.268	ppbv	99
26) Hexane	5.69	57	1000440	8.168	ppbv	98
27) Carbon Disulfide	4.54	76	1383501	10.370	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1762270	8.677	ppbv	99
29) Chloroform	5.76	83	1682448	8.482	ppbv	99
30) Cyclohexane	7.15	84	800337	8.643	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1082809	8.555	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1743323	9.374	ppbv	99
34) 2-Butanone	5.24	43	1518402	8.151	ppbv	100
35) Carbon Tetrachloride	7.04	117	1844360	9.478	ppbv	98
36) Benzene	6.91	78	1900091	8.399	ppbv	96
37) 1,2-Dichloroethane	6.32	62	1462285	8.700	ppbv	100
38) Trichloroethene	7.86	130	790038	8.510	ppbv	99
39) 1,2-Dichloropropane	7.64	63	783670	8.991	ppbv	96
40) 1,4-Dioxane	7.85	88	304011	7.985	ppbv #	98
41) Tetrahydrofuran	6.05	42	851759	8.152	ppbv	99
42) Bromodichloromethane	7.82	83	1868587	8.890	ppbv	96
43) Methyl Methacrylate	8.04	69	829370	8.839	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

Quantitation Report (Not Reviewed)

Data File : VL034509.D
Acq On : 30 Dec 2019 10:24
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Dec 30 14:19:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3413427	8.256	ppbv		99
45) t-1,3-Dichloropropene	9.31	75	1165726	9.687	ppbv		97
46) cis-1,3-Dichloropropene	8.74	75	1280626	9.474	ppbv		97
47) 1,1,2-Trichloroethane	9.51	97	820905	8.467	ppbv		96
48) Dibromochloromethane	10.35	129	1573909	9.454	ppbv		99
49) Bromoform	13.10	173	1427021	9.603	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	2244411	8.327	ppbv		100
51) 2-Hexanone	10.17	43	1898383	8.409	ppbv	#	98
52) Tetrachloroethene	11.27	164	731973	7.478	ppbv		96
53) Toluene	9.84	91	2218646	8.634	ppbv		99
54) 1,2-Dibromoethane	10.65	107	1250482	8.413	ppbv		97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1046678	9.156	ppbv		98
57) Chlorobenzene	12.19	112	1749373	8.281	ppbv		100
58) Ethyl Benzene	12.75	91	3050460	8.411	ppbv		99
59) m/p-Xylene	13.05	91	2711217	8.648	ppbv	#	36
60) o-Xylene	13.74	91	2588328	8.351	ppbv		100
61) Styrene	13.57	104	1905625	8.525	ppbv		100
62) Isopropylbenzene	14.72	105	3367219	8.214	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1824290	7.830	ppbv		100
64) n-propylbenzene	15.62	120	880716	8.273	ppbv		98
65) tert-Butylbenzene	16.80	119	3021654	8.206	ppbv		100
66) Benzyl Chloride	17.05	91	1561511	11.023	ppbv		99
67) sec-Butylbenzene	17.35	105	4168876	8.093	ppbv		100
69) p-Isopropyltoluene	17.71	119	3479986	8.141	ppbv		100
70) n-Butylbenzene	18.61	91	3642078	7.918	ppbv		100
71) 2-Chlorotoluene	15.51	91	2640551	8.078	ppbv		99
72) 4-Ethyltoluene	15.89	105	2960795	8.267	ppbv		100
73) 1,3,5-Trimethylbenzene	16.05	105	2861546	8.163	ppbv		95
74) 1,2,4-Trimethylbenzene	16.82	105	2960204	7.949	ppbv		98
75) 1,3-Dichlorobenzene	17.06	146	1638944	7.657	ppbv		98
76) 1,4-Dichlorobenzene	17.20	146	1696587	8.162	ppbv		98
77) 1,2-Dichlorobenzene	17.88	146	1613348	7.804	ppbv		99
78) Hexachloro-1,3-Butadiene	23.44	225	1441641	8.116	ppbv		99
79) Naphthalene	22.28	128	2705146	8.380	ppbv		99
80) Naphthalene,2-methyl-	25.03	142	962263	6.601	ppbv		95
81) 1,2,4-Trichlorobenzene	22.01	180	1612682	8.132	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

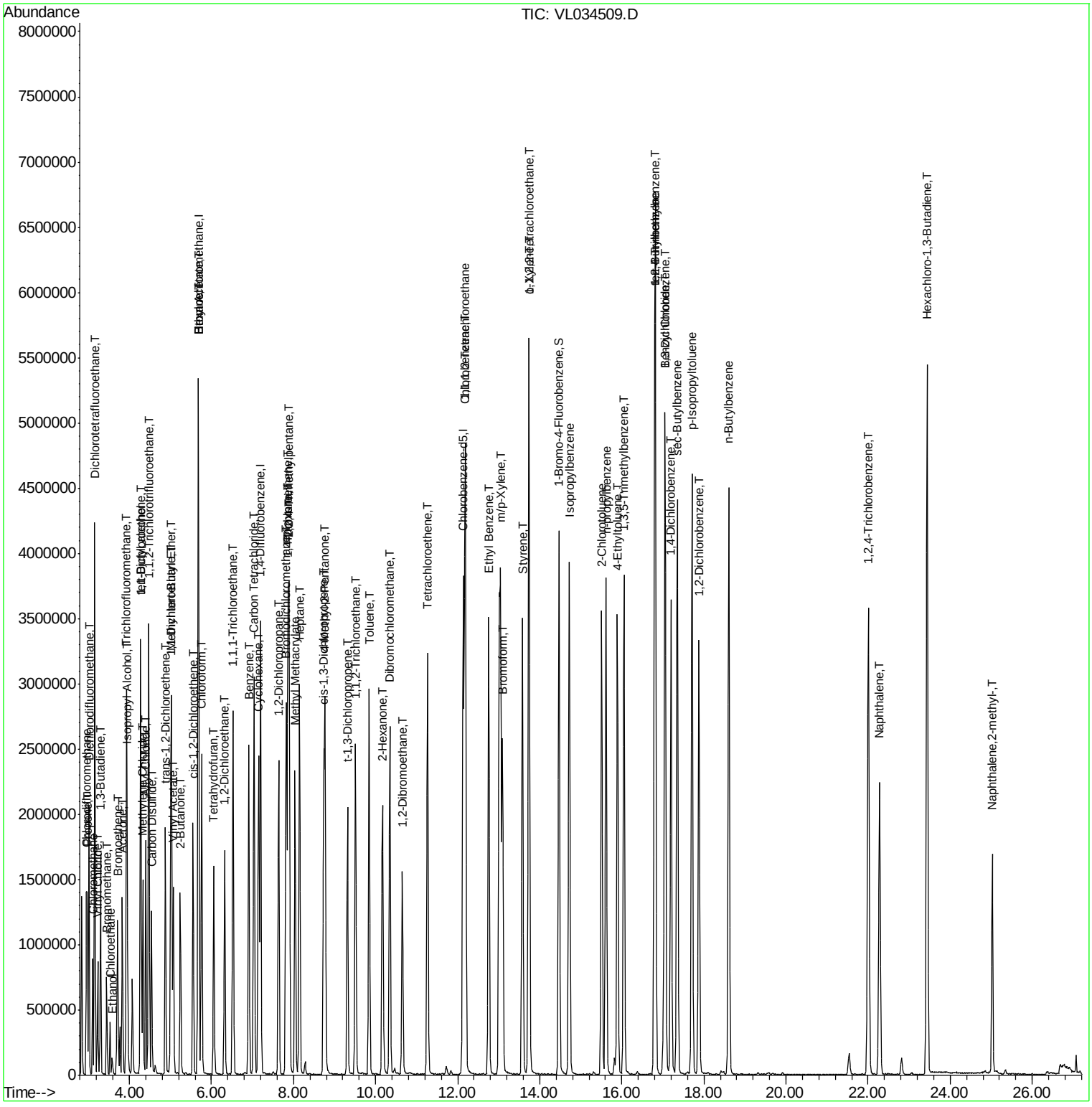
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL123019\

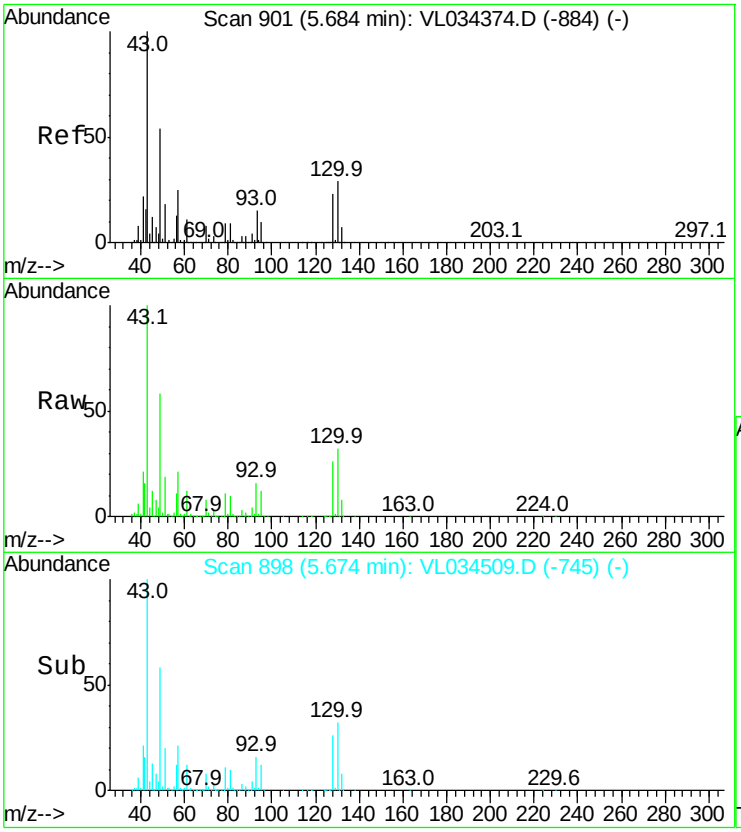
Quantitation Report (Not Reviewed)

Data File : VL034509.D
Acq On : 30 Dec 2019 10:24
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Dec 30 14:19:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



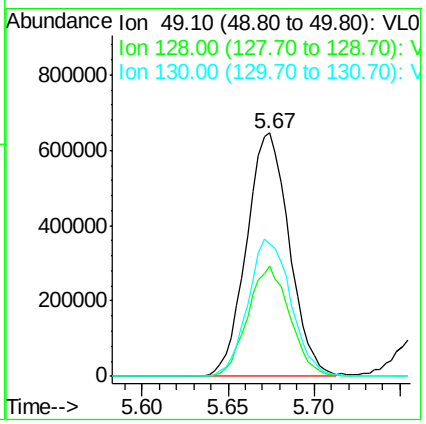


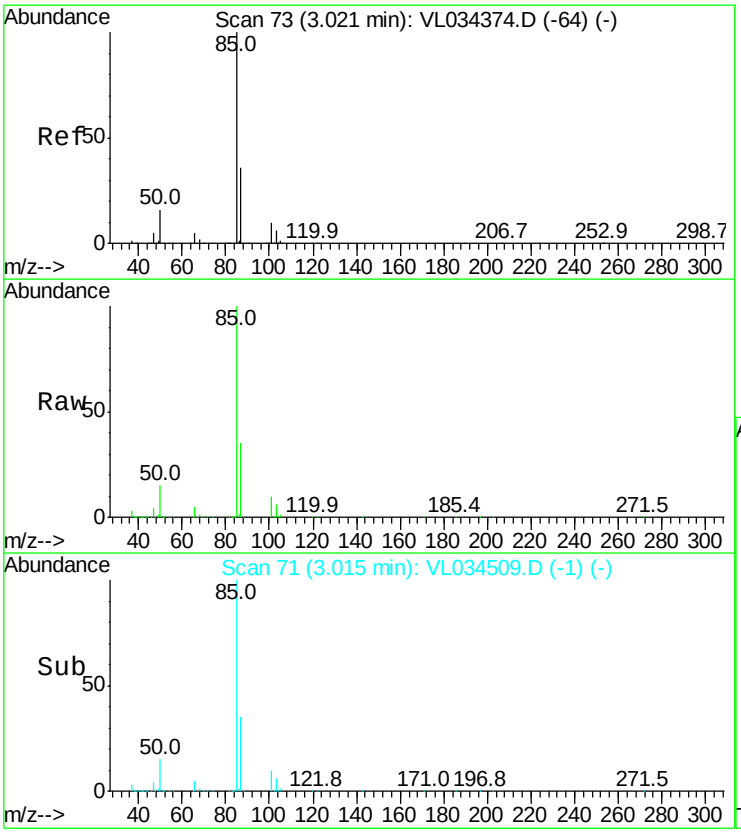
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1115558

Ion	Ratio	Lower	Upper
49	100		
128	44.8	21.8	65.3
130	56.7	28.0	84.0

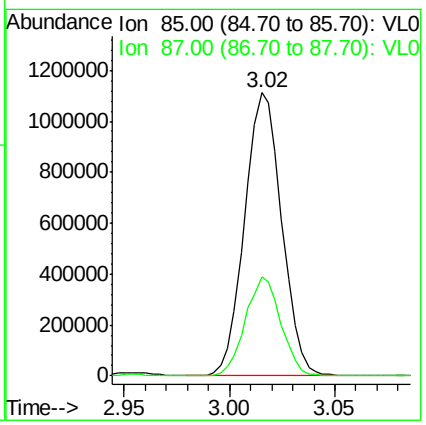


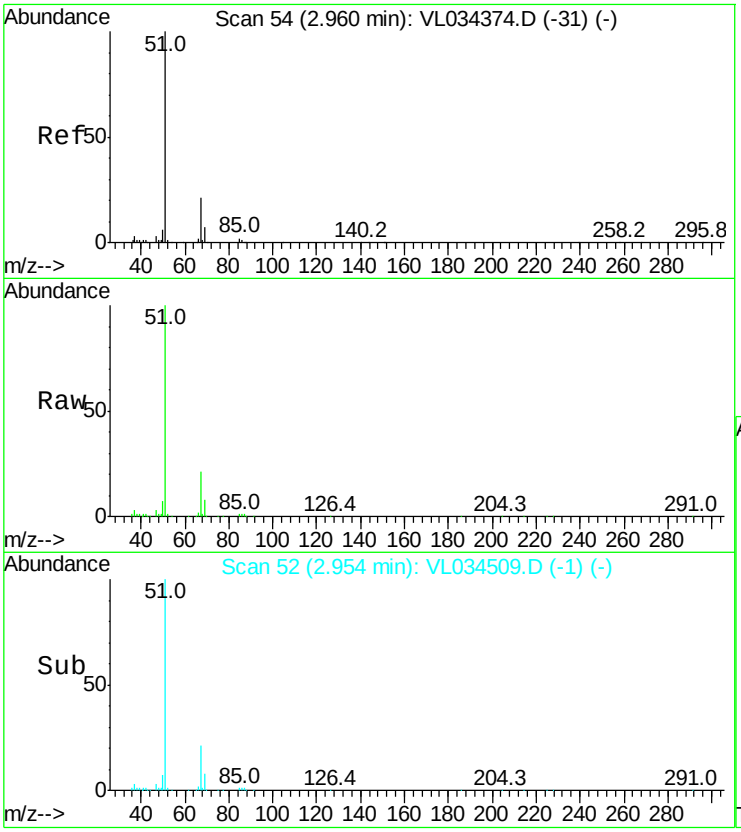


#2
Dichlorodifluoromethane
Concen: 6.760 ppbv
RT: 3.02 min Scan# 71
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 85 Resp: 1364287

Ion	Ratio	Lower	Upper
85	100		
87	34.9	28.5	42.7



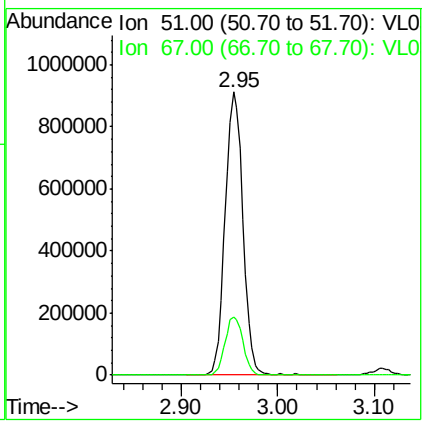


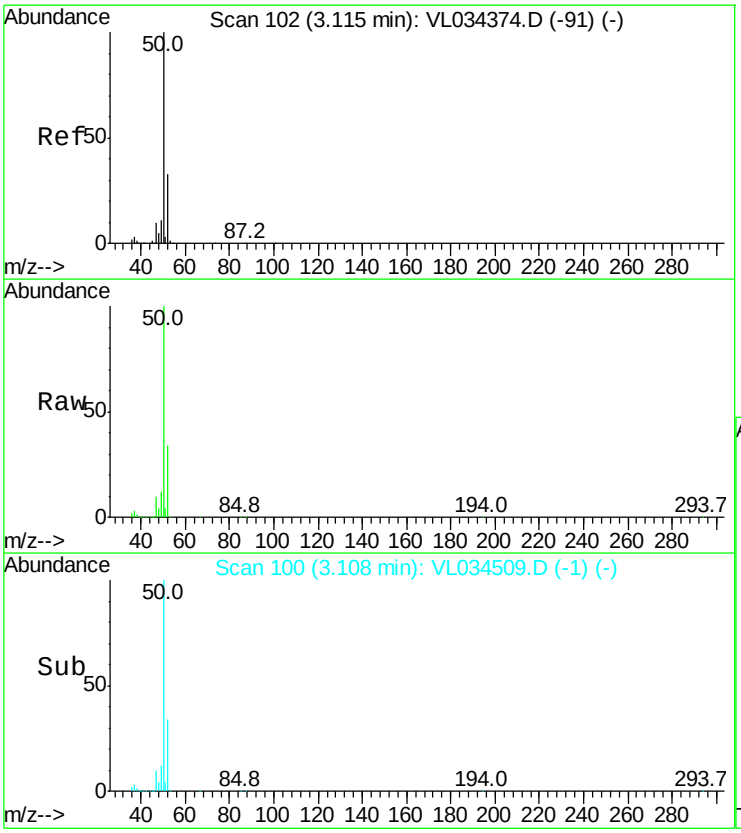
#3
Chlorodifluoromethane
Concen: 8.363 ppbv
RT: 2.95 min Scan# 52
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1163964

Ion	Ratio	Lower	Upper
51	100		
67	21.0	16.2	24.2

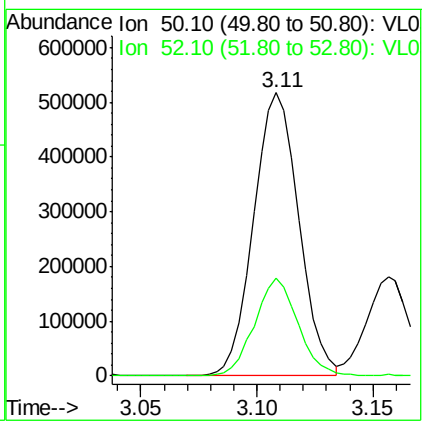


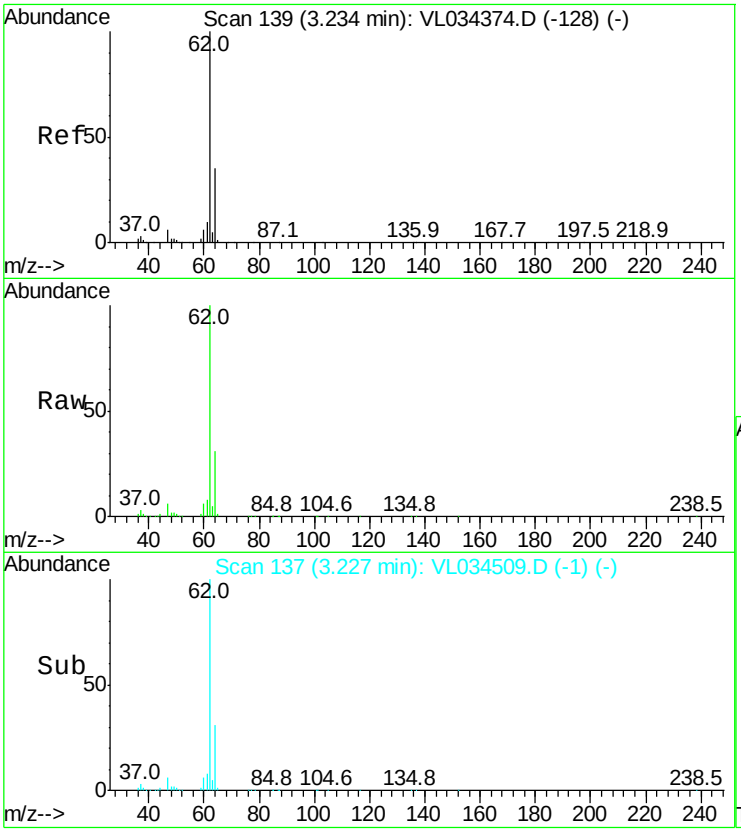


#4
Chloromethane
Concen: 8.561 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 50 Resp: 702845

Ion	Ratio	Lower	Upper
50	100		
52	34.5	26.8	40.2



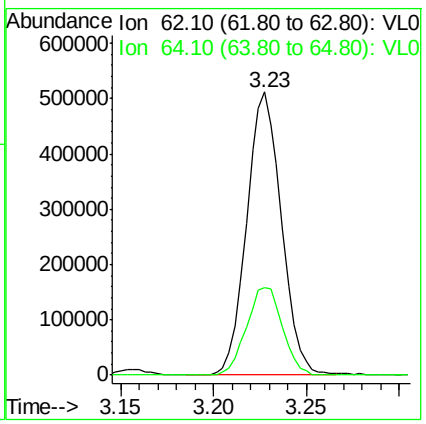


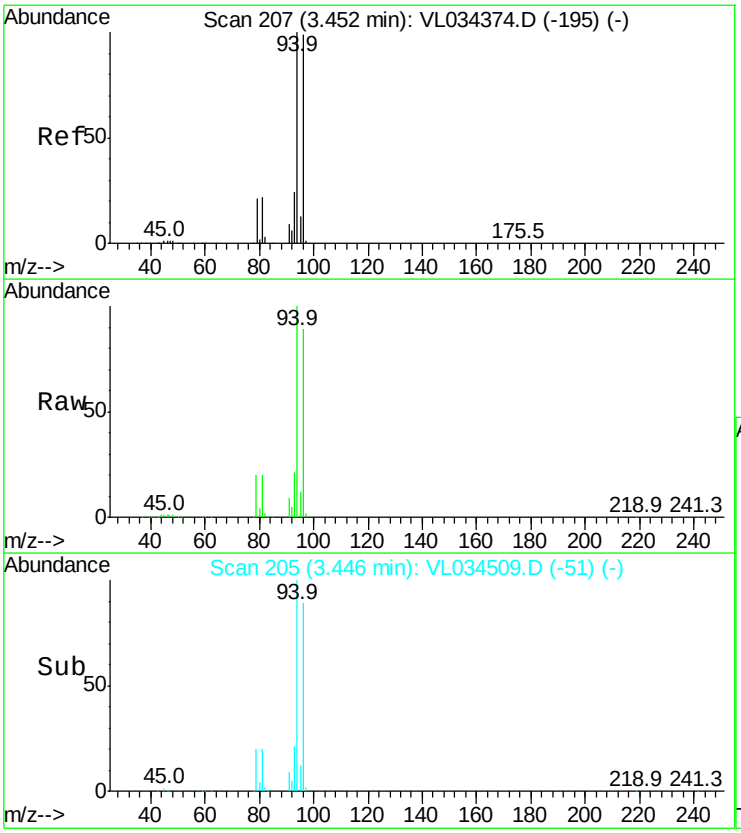
#5
Vinyl Chloride
Concen: 8.614 ppbv
RT: 3.23 min Scan# 137
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 662619

Ion	Ratio	Lower	Upper
62	100		
64	31.1	28.4	42.6

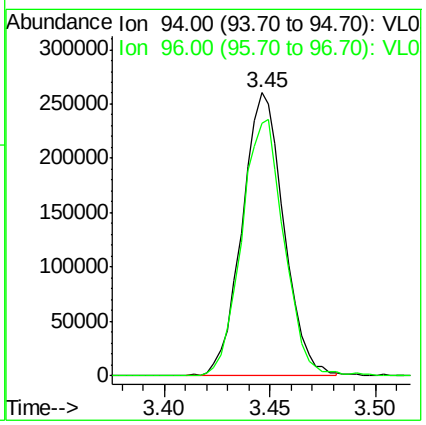


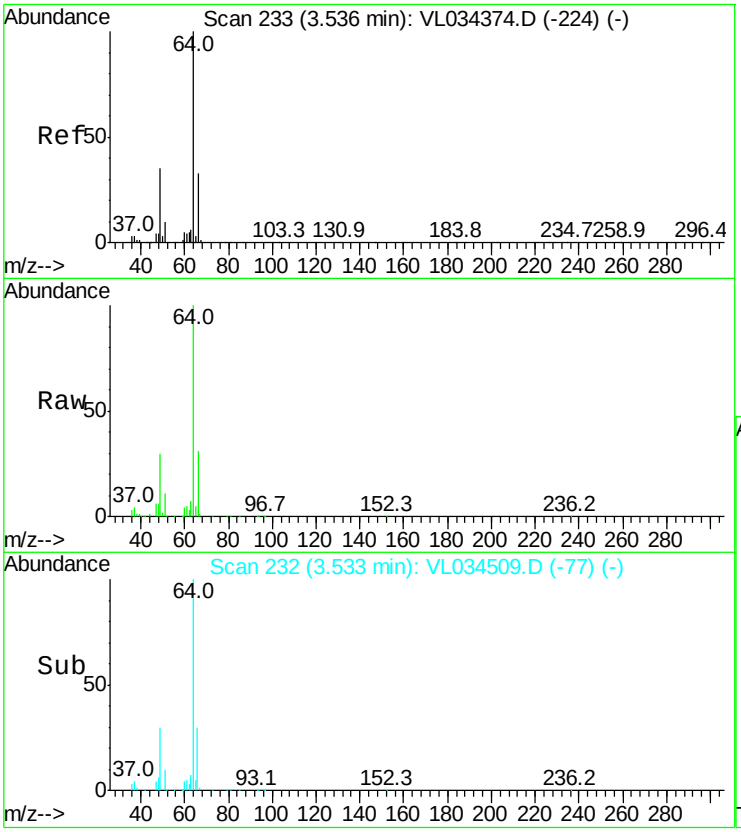


#6
Bromomethane
Concen: 9.241 ppbv
RT: 3.45 min Scan# 205
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 94 Resp: 357638

Ion	Ratio	Lower	Upper
94	100		
96	89.0	79.5	119.3



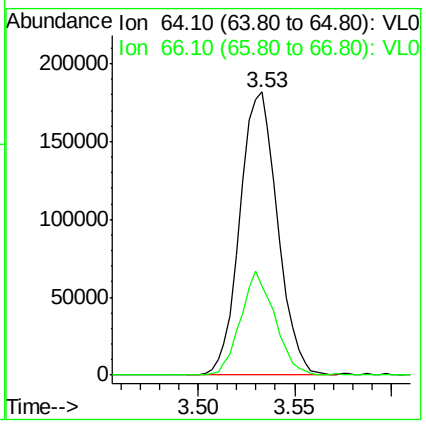


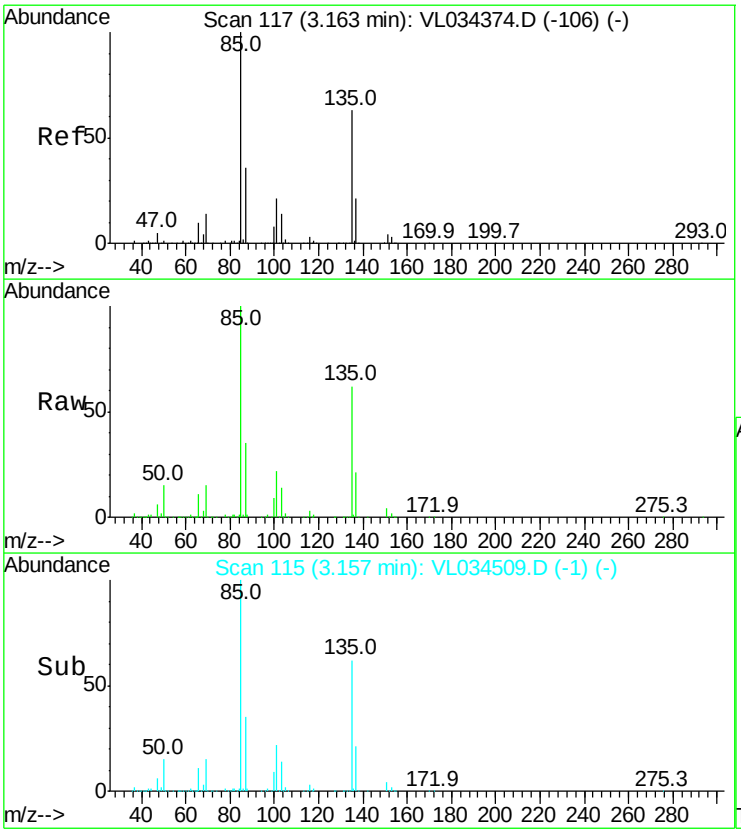
#7
Chloroethane
Concen: 8.838 ppbv
RT: 3.53 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 246756

Ion	Ratio	Lower	Upper
64	100		
66	31.2	26.0	39.0

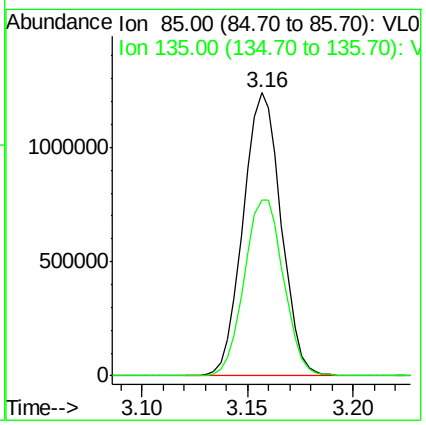


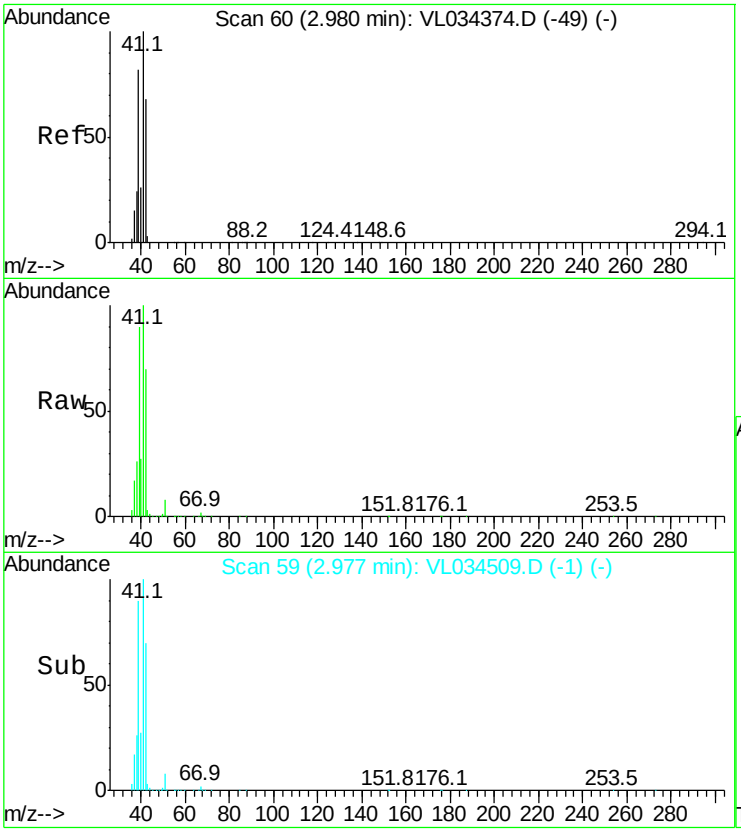


#8
Dichlorotetrafluoroethane
Concen: 8.558 ppbv
RT: 3.16 min Scan# 115
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 85 Resp: 1551091

Ion	Ratio	Lower	Upper
85	100		
135	64.8	51.1	76.7



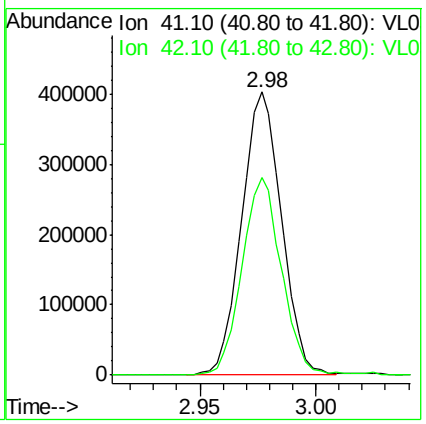


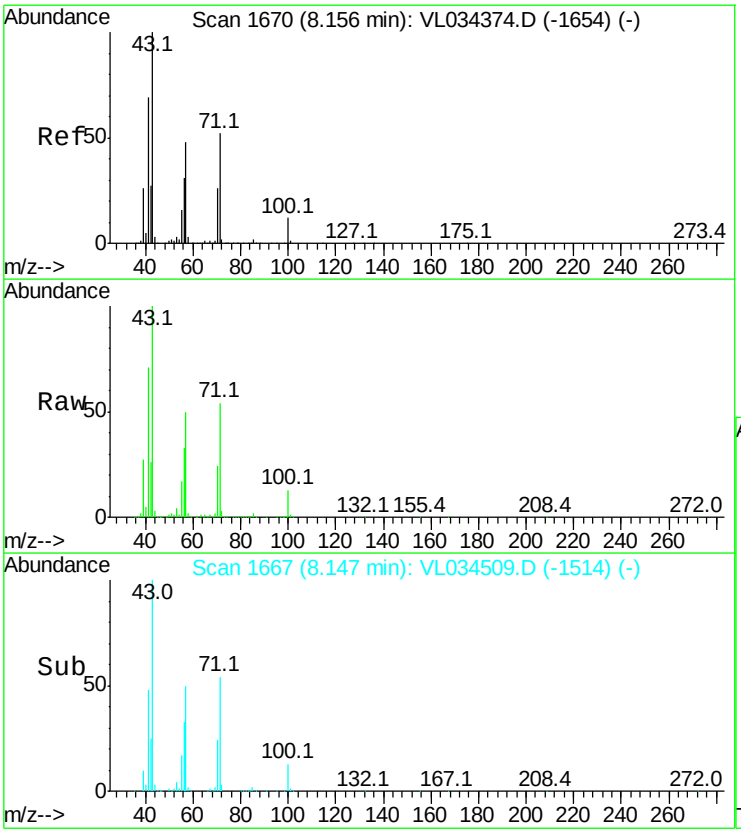
#9
Propene
Concen: 7.799 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 481933

Ion	Ratio	Lower	Upper
41	100		
42	69.7	54.6	82.0

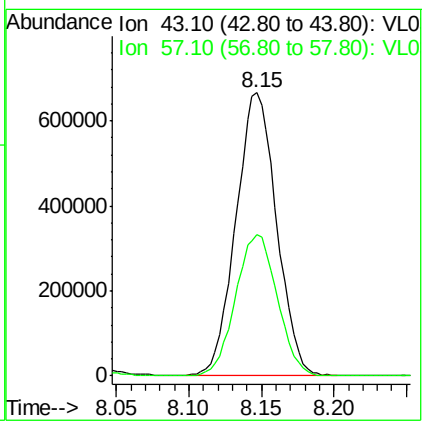


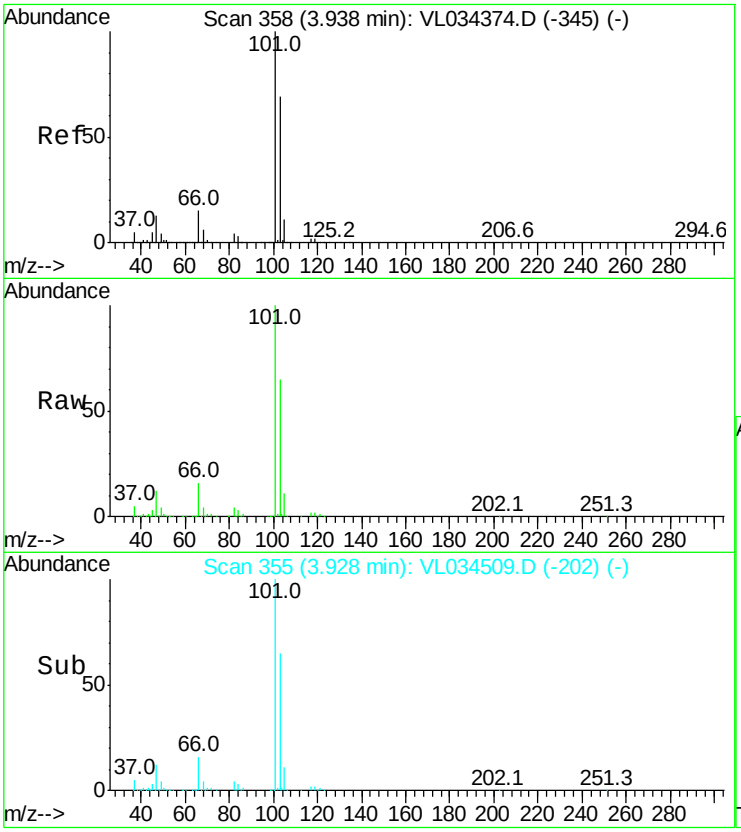


#10
Heptane
Concen: 8.123 ppbv
RT: 8.15 min Scan# 1667
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 43 Resp: 1295413

Ion	Ratio	Lower	Upper
43	100		
57	51.3	40.2	60.2



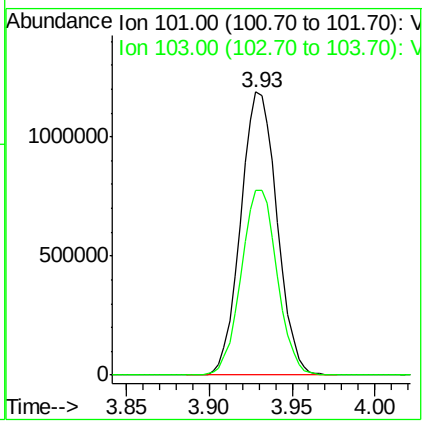


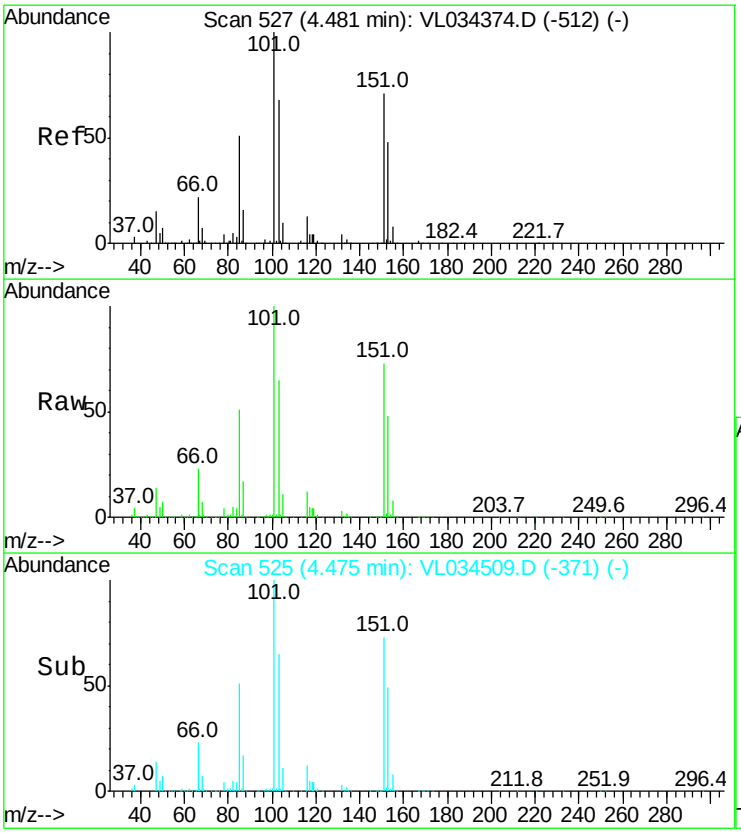
#11
Trichlorofluoromethane
Concen: 8.993 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 1806173

Ion	Ratio	Lower	Upper
101	100		
103	65.1	55.4	83.0

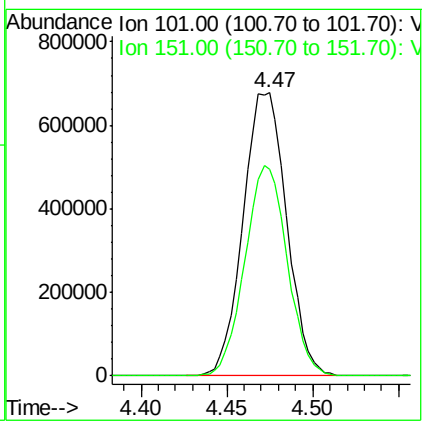


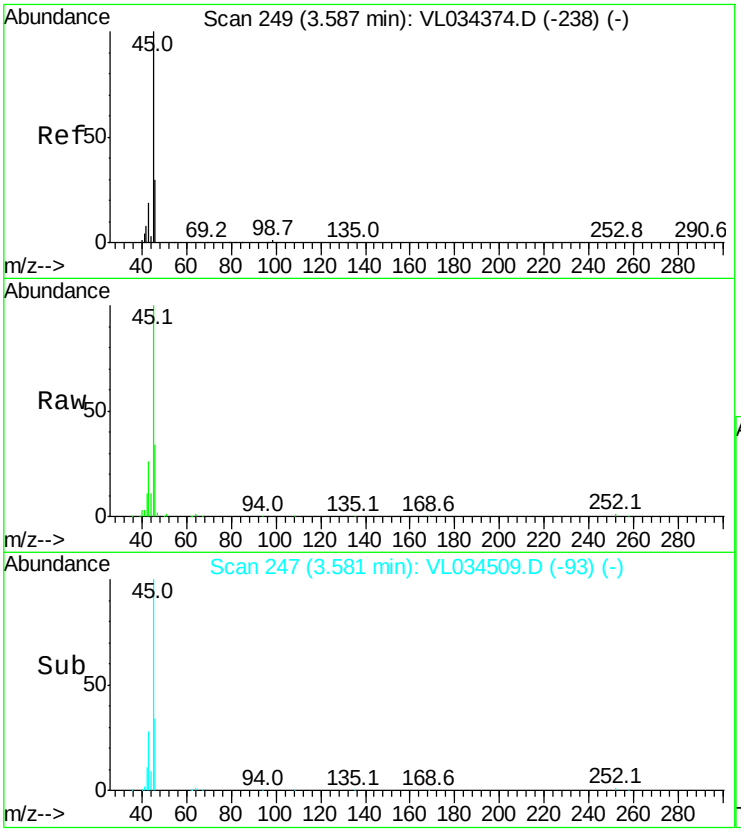


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.936 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:101 Resp: 1191900

Ion	Ratio	Lower	Upper
101	100		
151	72.2	57.4	86.2



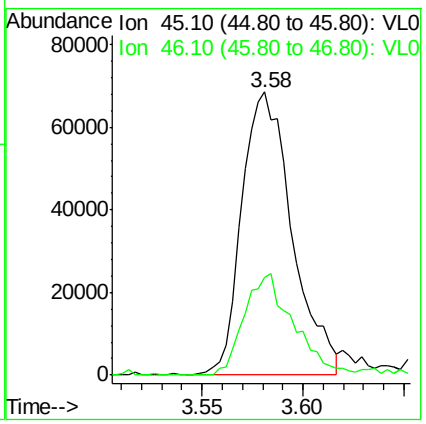


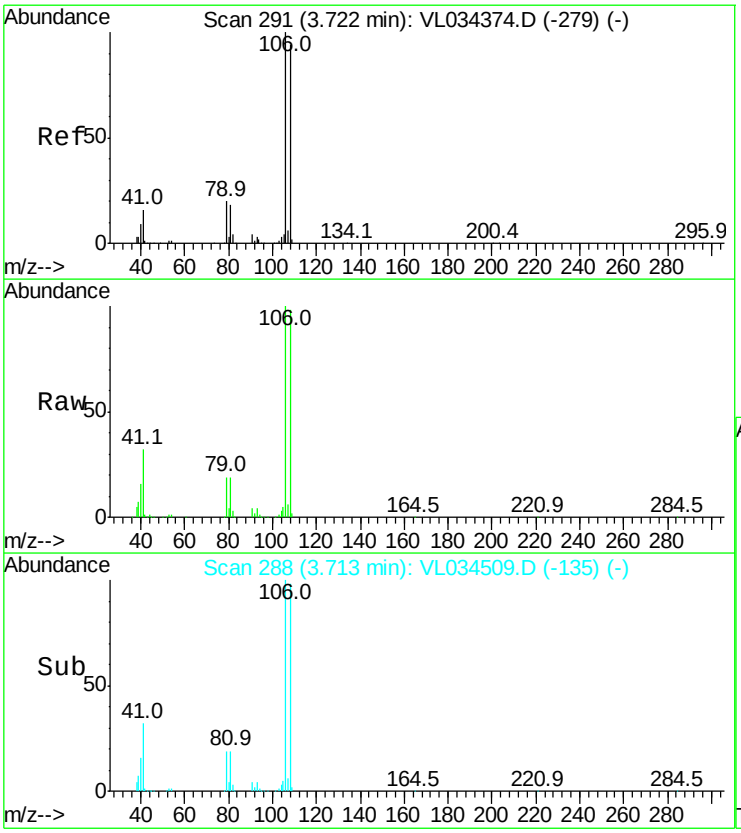
#13
Ethanol
Concen: 6.971 ppbv
RT: 3.58 min Scan# 247
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 119987

Ion	Ratio	Lower	Upper
45	100		
46	37.3	13.8	55.4

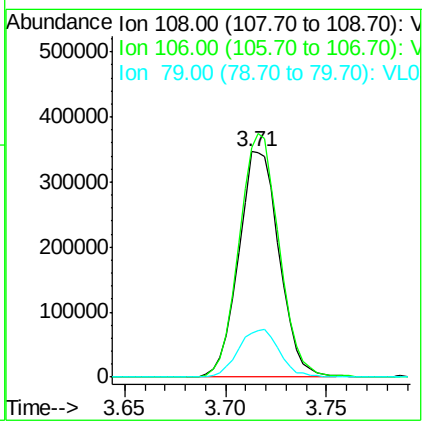


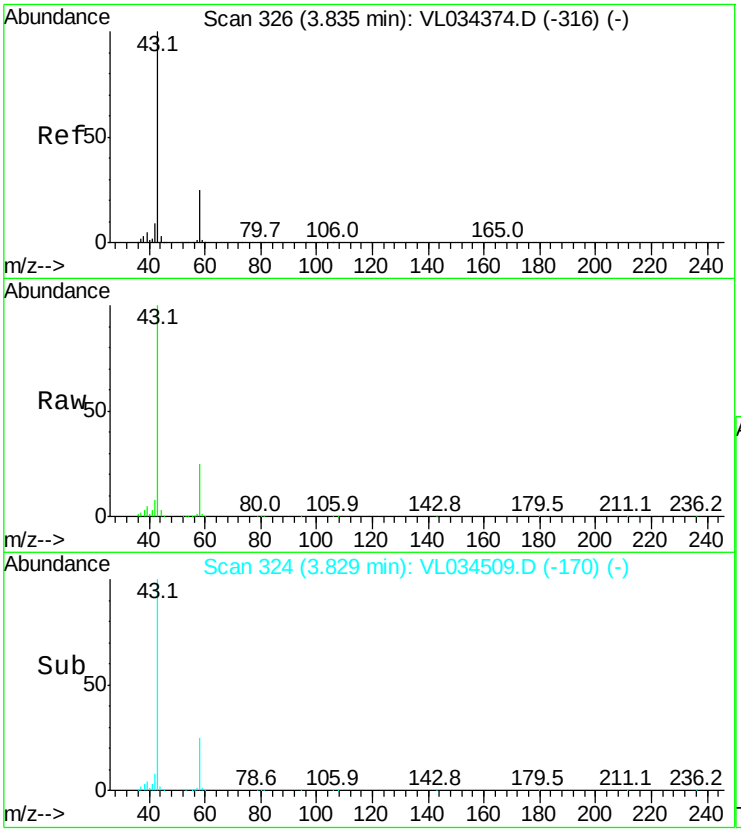


#14
Bromoethene
Concen: 9.034 ppbv
RT: 3.71 min Scan# 288
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:108 Resp: 489965

Ion	Ratio	Lower	Upper
108	100		
106	106.5	85.7	128.5
79	21.8	17.2	25.8



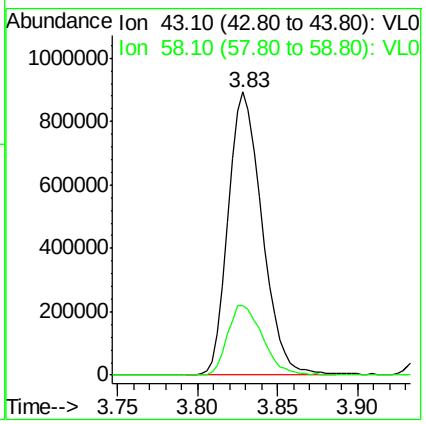


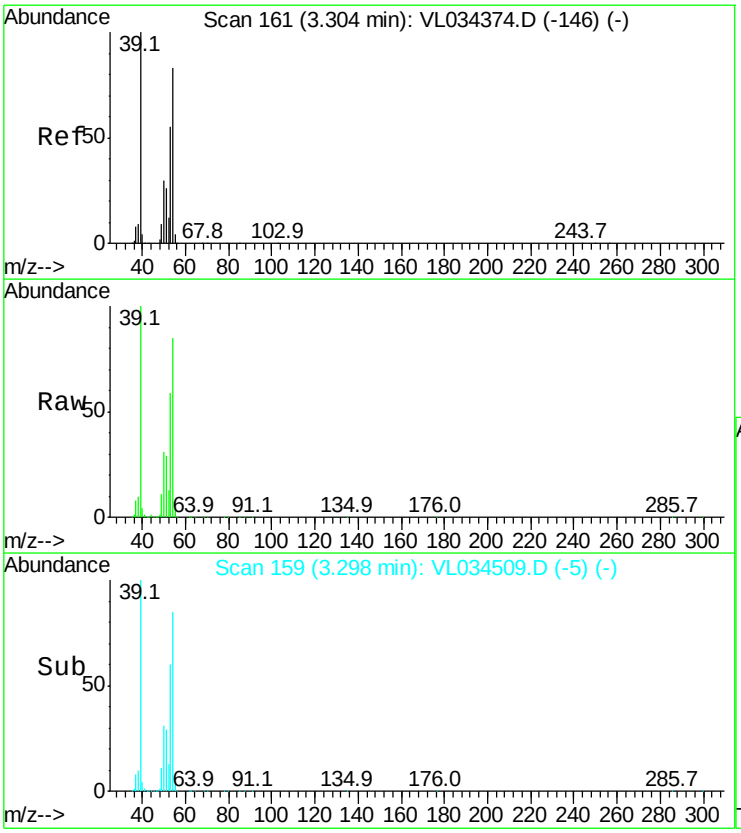
#15
Acetone
Concen: 8.061 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1287721

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.2	30.4

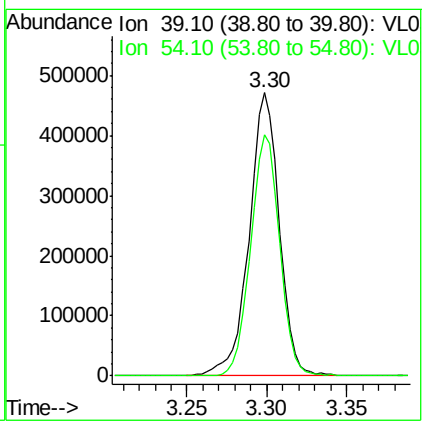


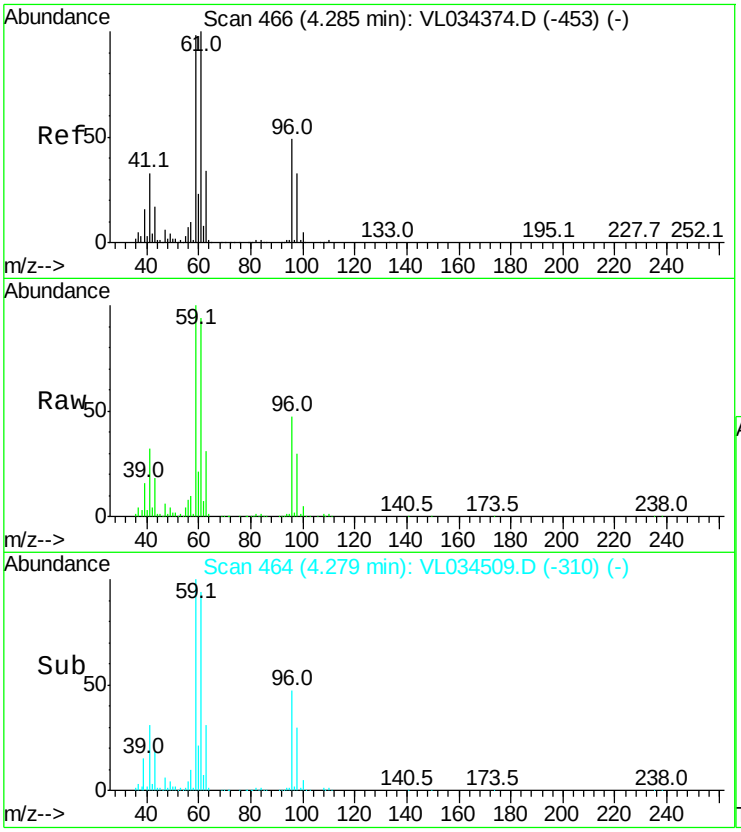


#16
1,3-Butadiene
Concen: 8.741 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 39 Resp: 608254

Ion	Ratio	Lower	Upper
39	100		
54	82.7	64.7	97.1



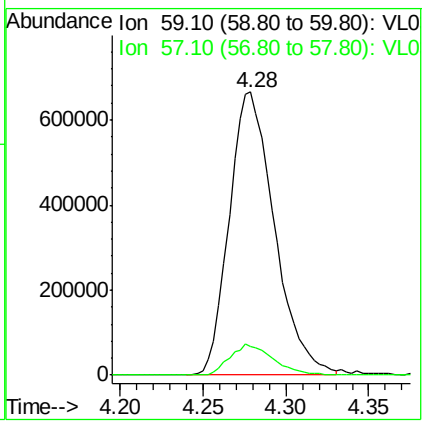


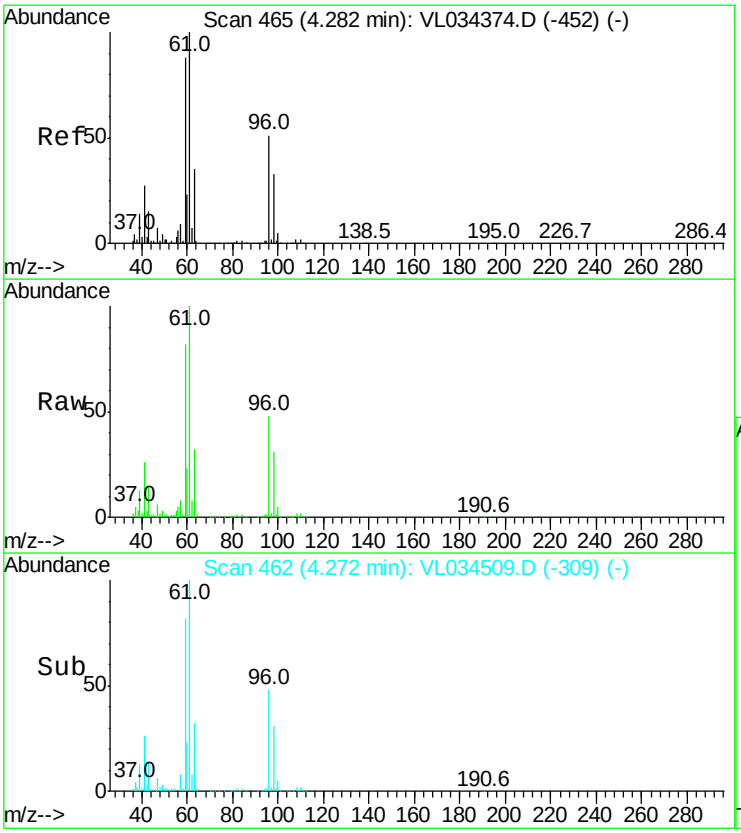
#17
tert-Butyl alcohol
Concen: 9.401 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1262254

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.8	13.2

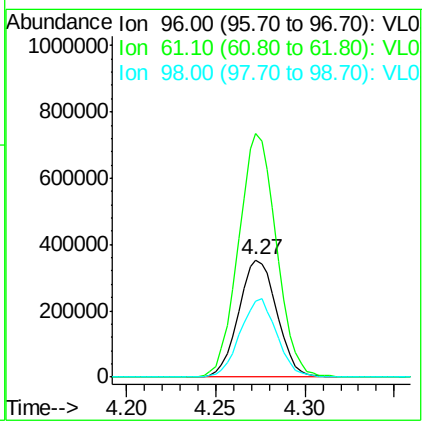


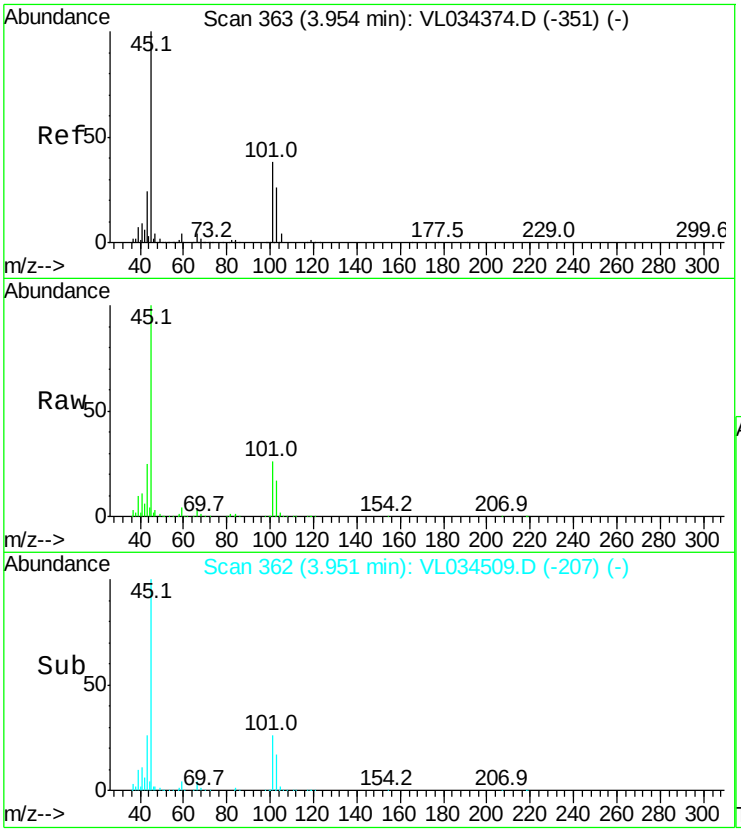


#18
1,1-Dichloroethene
Concen: 9.097 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 96 Resp: 530766

Ion	Ratio	Lower	Upper
96	100		
61	207.4	155.6	233.4
98	64.9	51.6	77.4



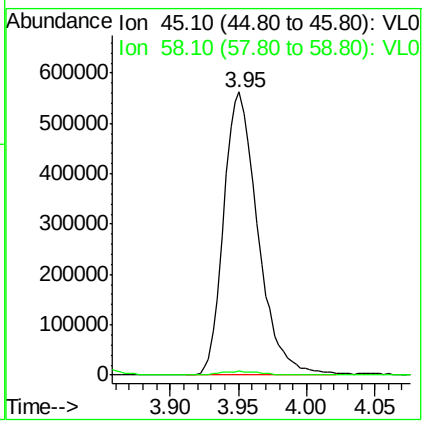


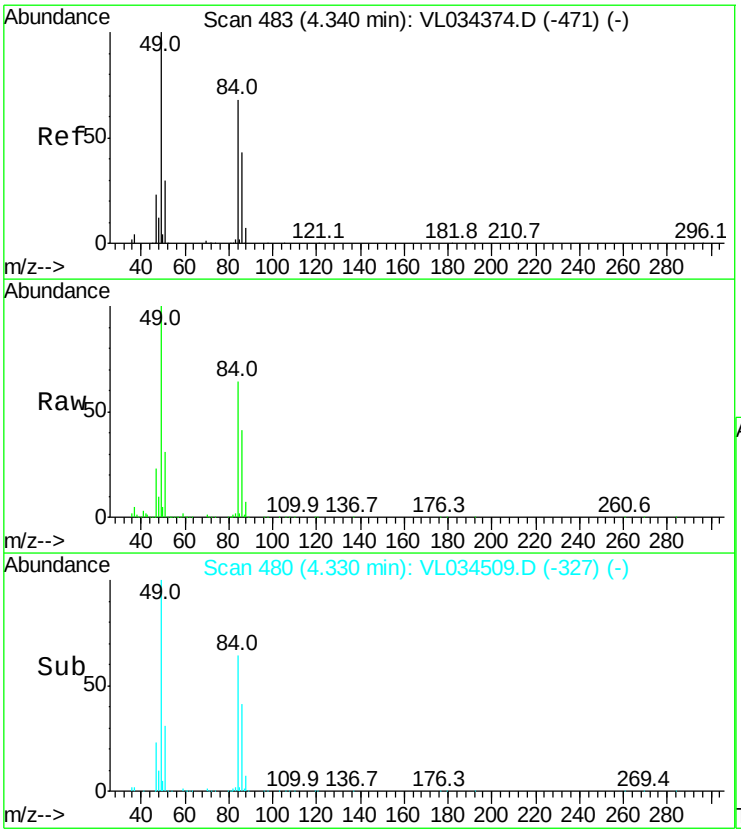
#19
Isopropyl Alcohol
Concen: 9.573 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 980197

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.3	1.9

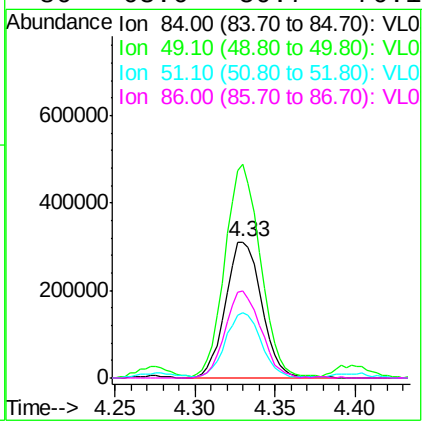


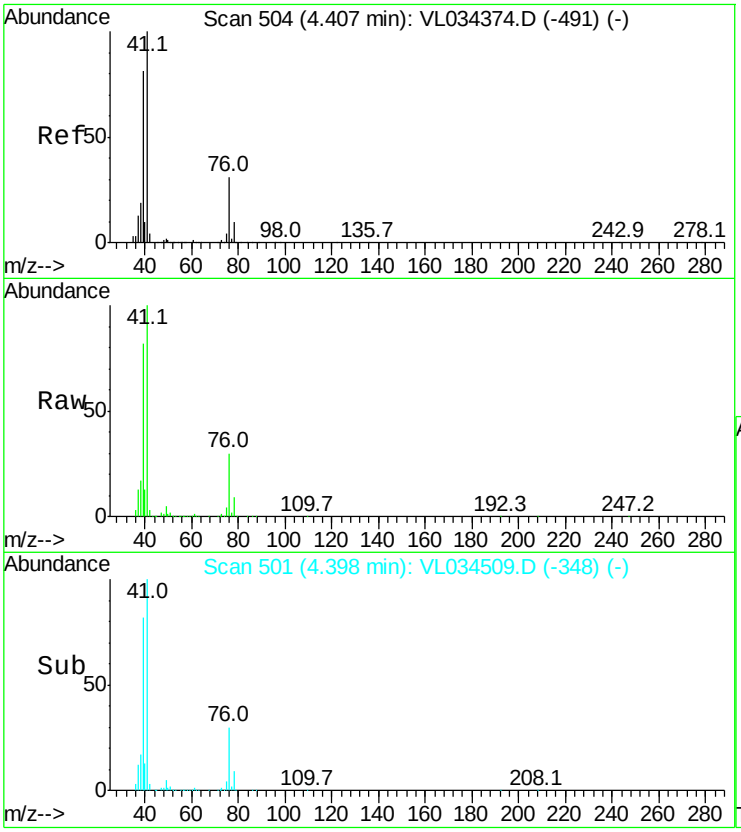


#20
Methylene Chloride
Concen: 8.450 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 84 Resp: 478677

Ion	Ratio	Lower	Upper
84	100		
49	155.5	116.8	175.2
51	46.3	35.6	53.4
86	63.6	50.7	76.1



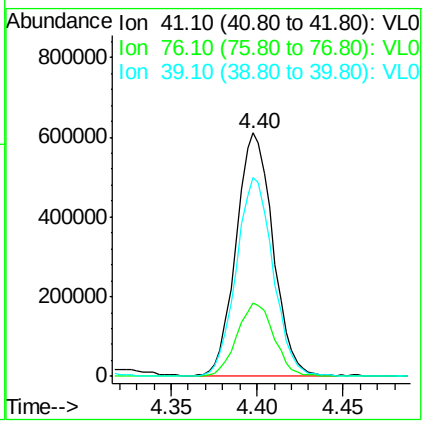


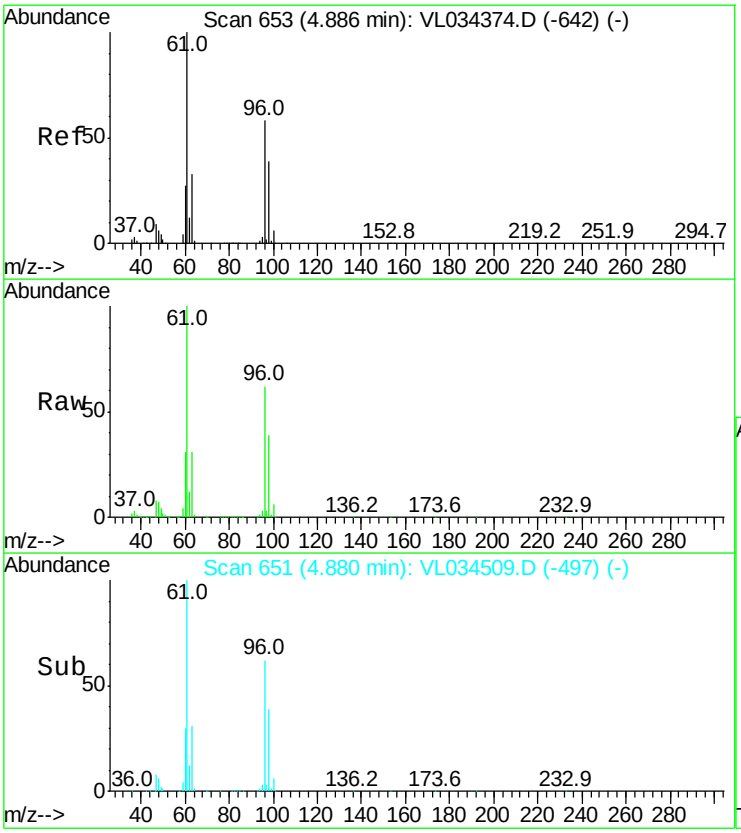
#21
Allyl Chloride
Concen: 9.421 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 41 Resp: 901762

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.2	36.2
39	82.2	66.9	100.3

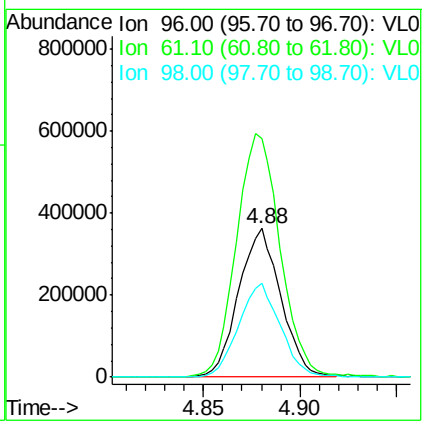


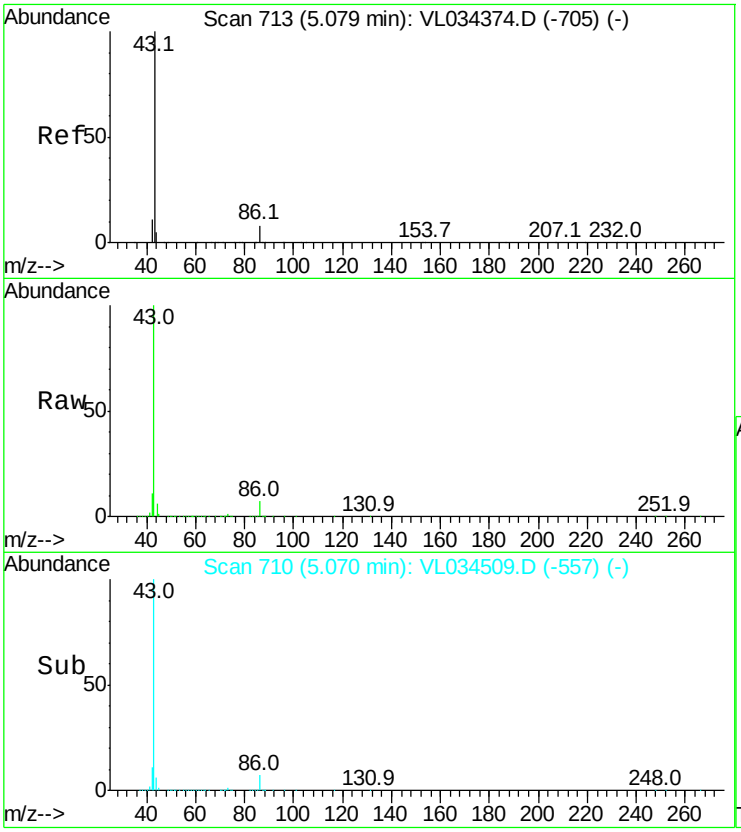


#22
trans-1,2-Dichloroethene
Concen: 9.326 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 96 Resp: 548496

Ion	Ratio	Lower	Upper
96	100		
61	160.5	137.9	206.9
98	63.2	53.5	80.3



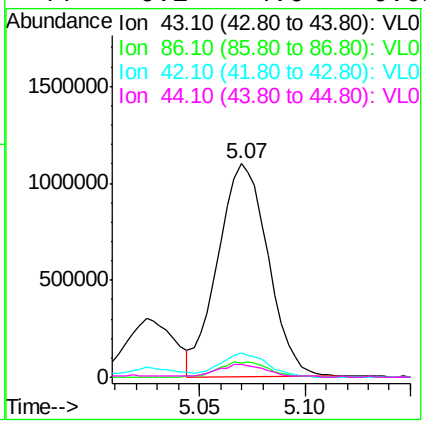


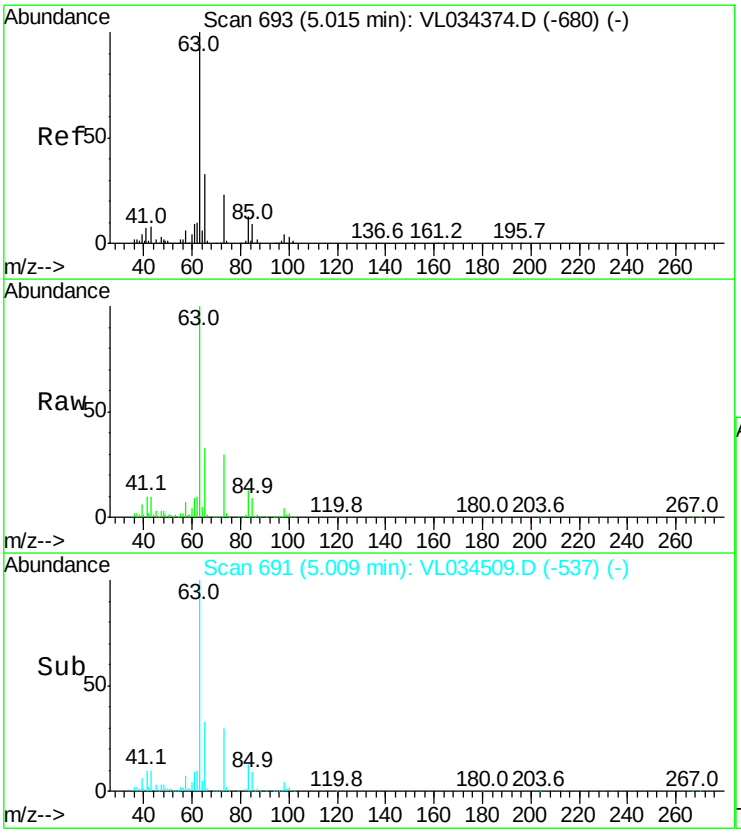
#23
Vinyl Acetate
Concen: 8.684 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1812164

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	11.1	8.9	13.3
44	6.2	4.0	6.0#

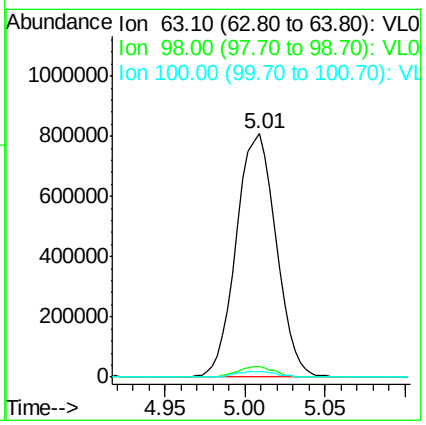


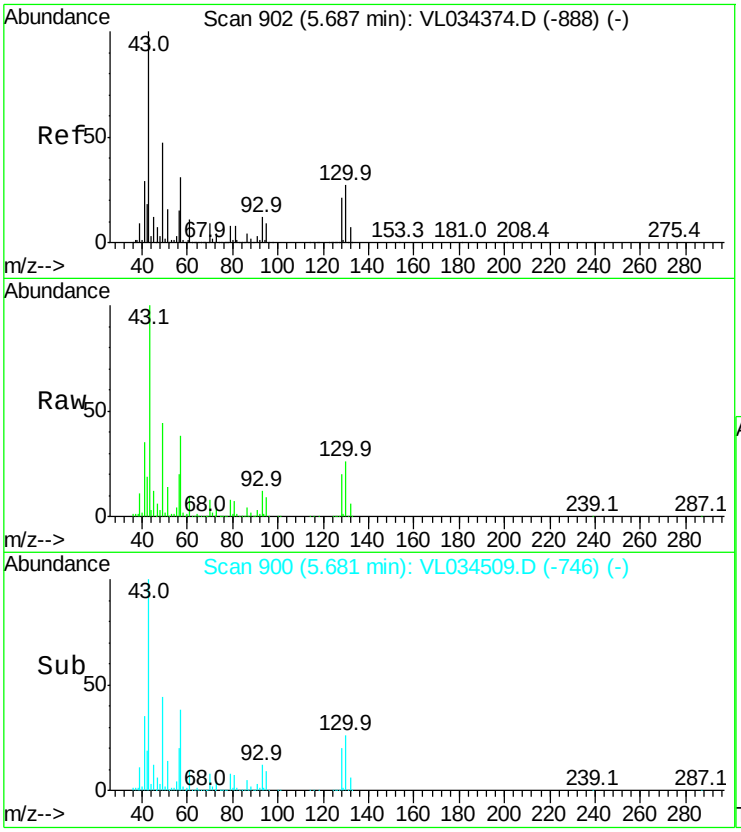


#24
1,1-Dichloroethane
Concen: 8.576 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 63 Resp: 1374742

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.9	5.7
100	2.2	1.4	4.0



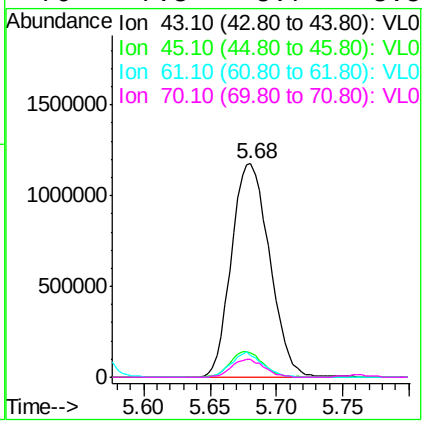


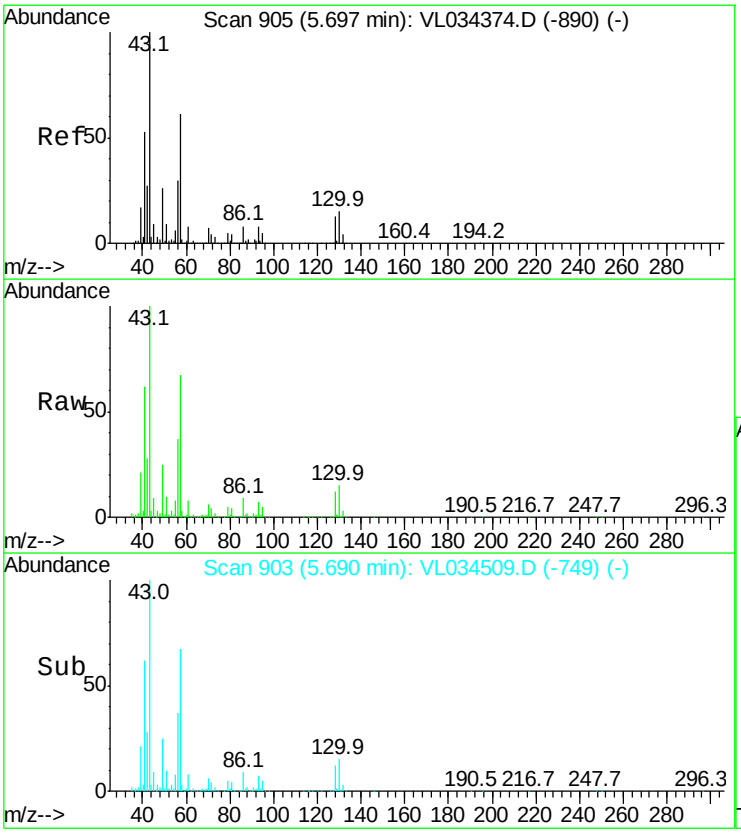
#25
Ethyl Acetate
Concen: 8.268 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 2356811

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.7	7.5	11.3
70	7.3	5.7	8.5

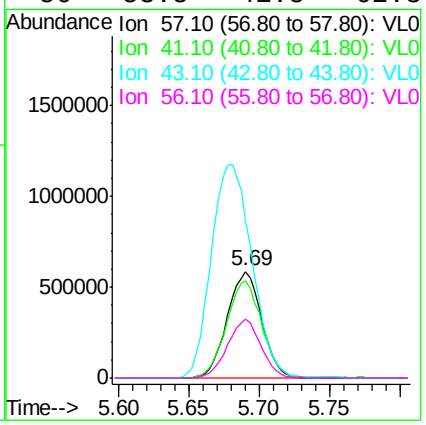


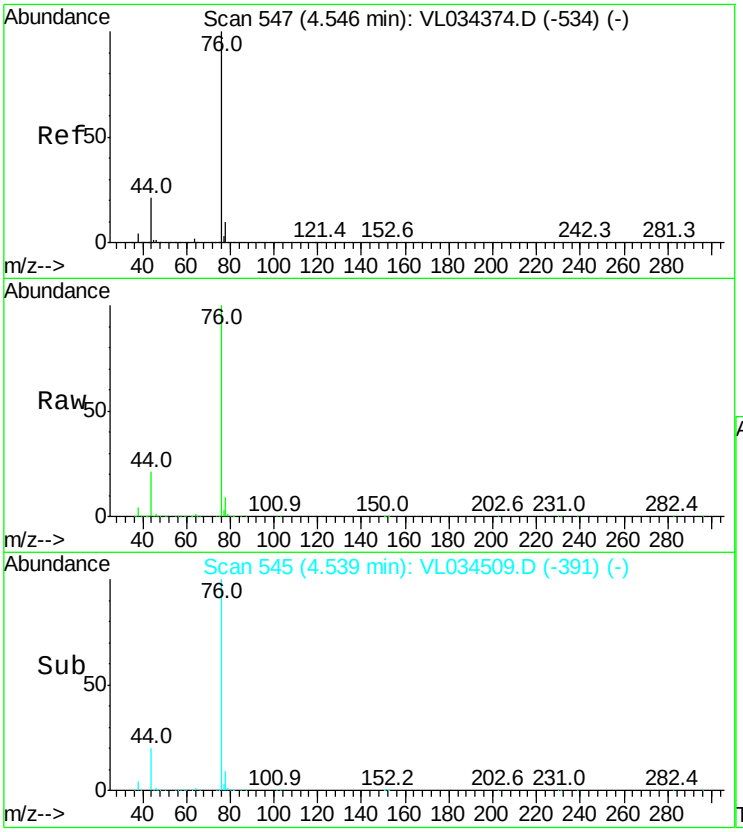


#26
Hexane
Concen: 8.168 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 57 Resp: 1000440

Ion	Ratio	Lower	Upper
57	100		
41	94.1	75.0	112.4
43	236.8	186.6	279.8
56	53.5	41.5	62.3



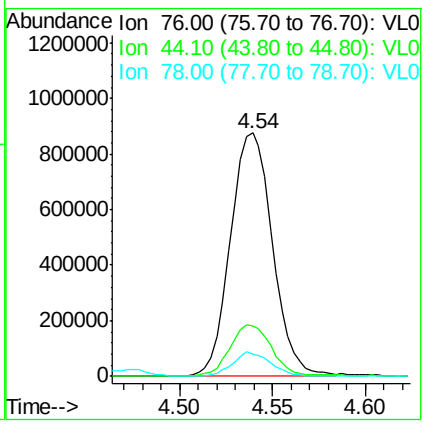


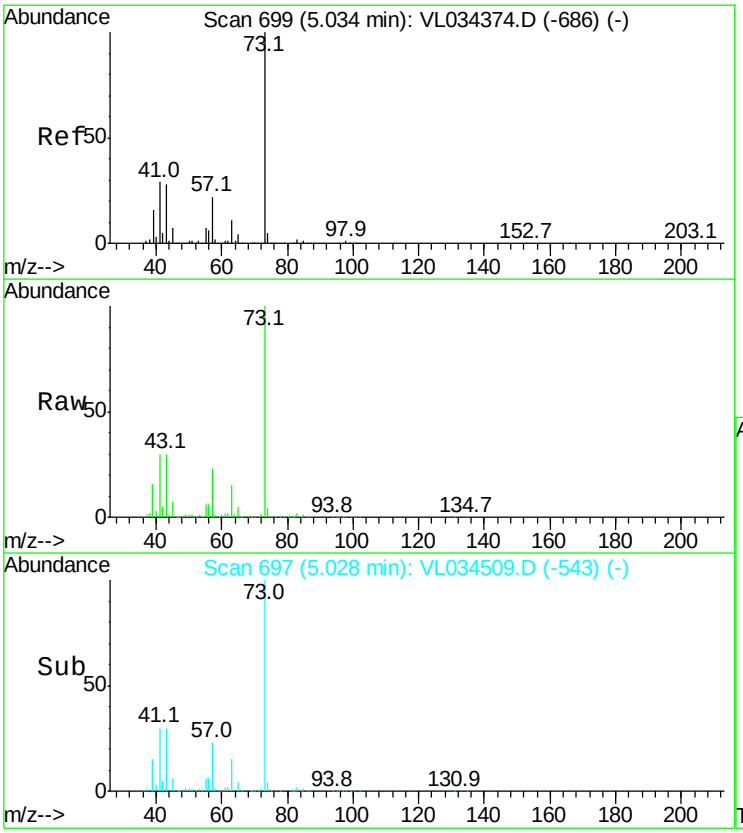
#27
Carbon Disulfide
Concen: 10.370 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1383501

Ion	Ratio	Lower	Upper
76	100		
44	20.8	17.0	25.4
78	9.2	7.6	11.4

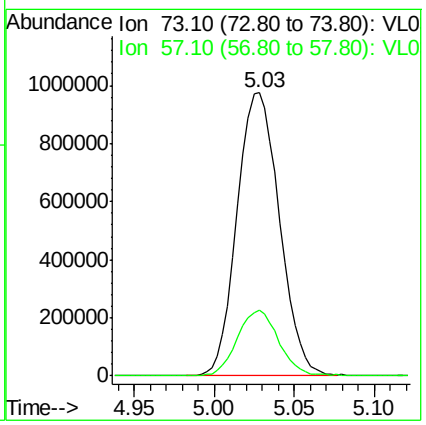


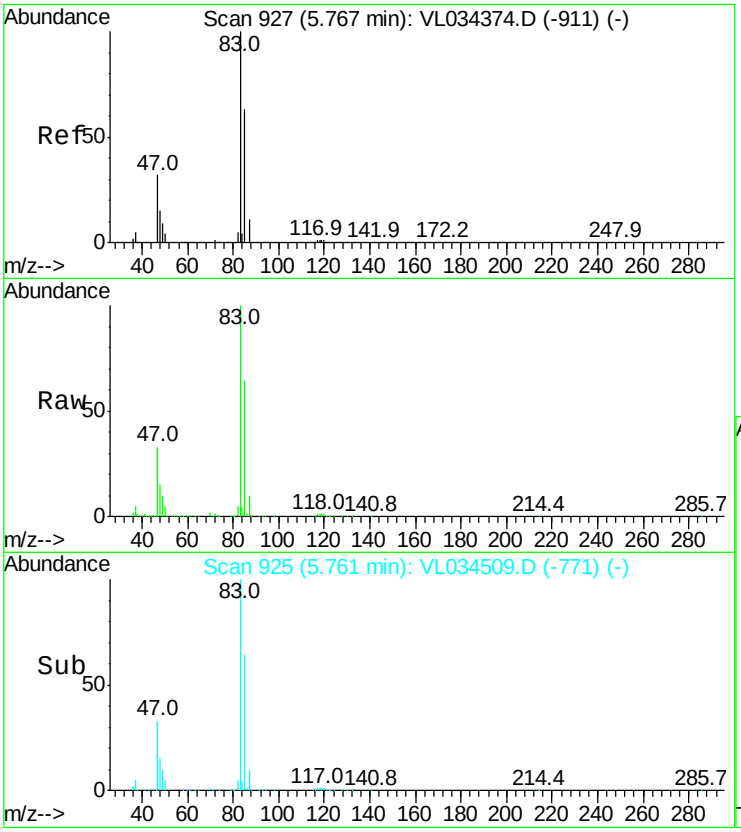


#28
Methyl tert-Butyl Ether
Concen: 8.677 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 73 Resp: 1762270

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.4	27.6



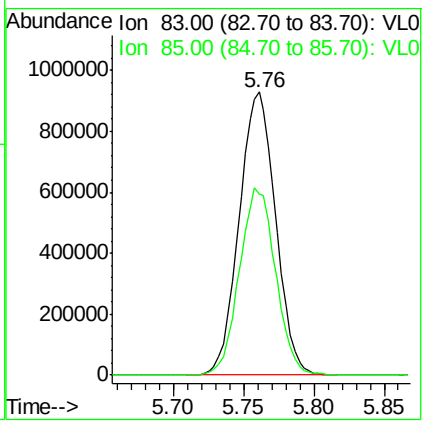


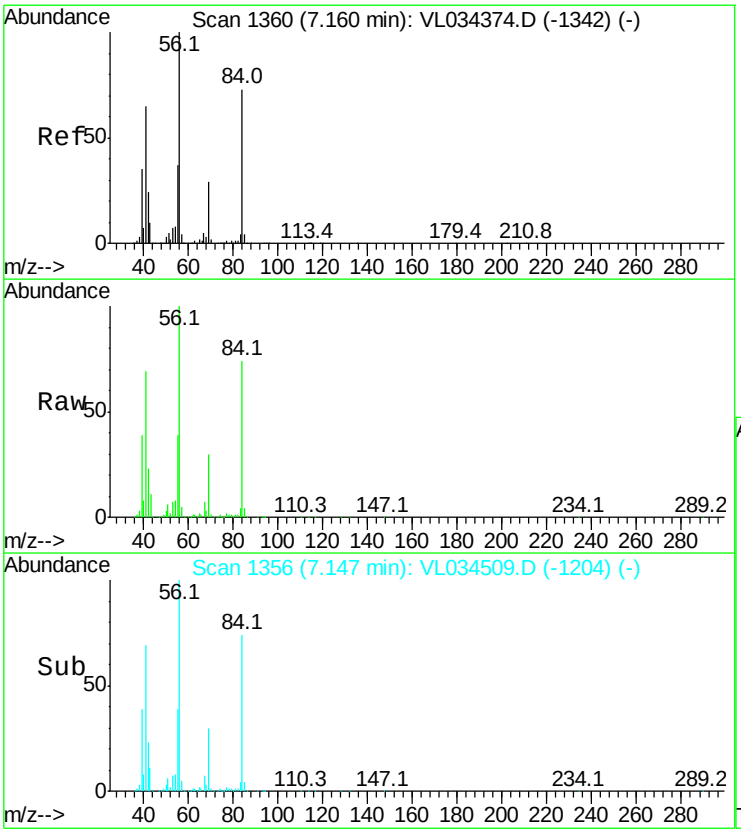
#29
Chloroform
Concen: 8.482 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1682448

Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.4	75.6

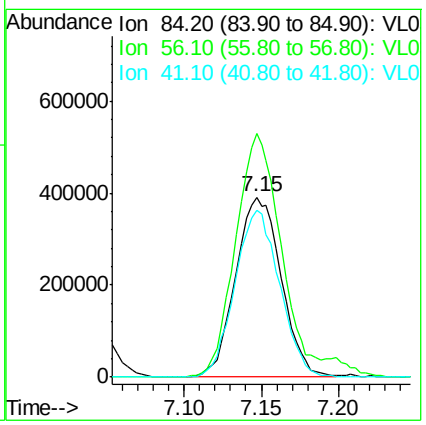


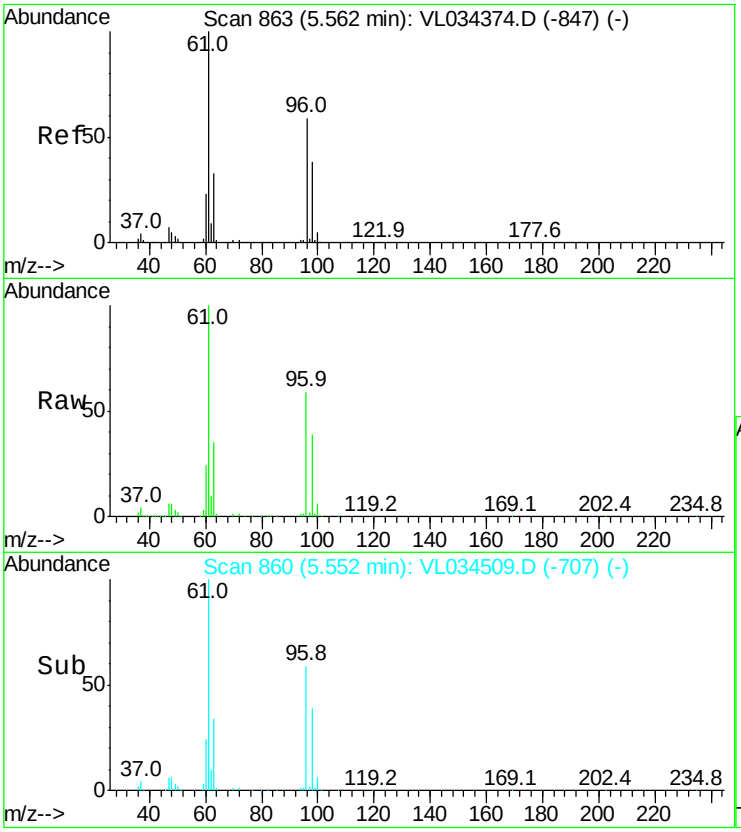


#30
Cyclohexane
Concen: 8.643 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 84 Resp: 800337

Ion	Ratio	Lower	Upper
84	100		
56	140.9	112.6	169.0
41	91.2	73.4	110.2



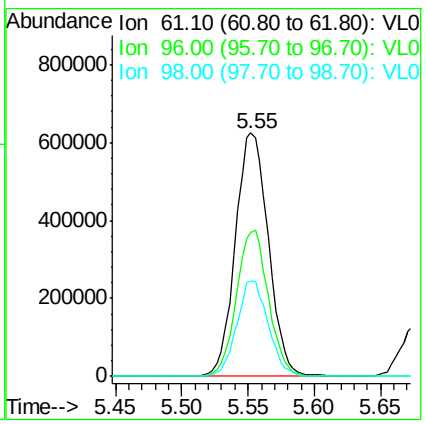


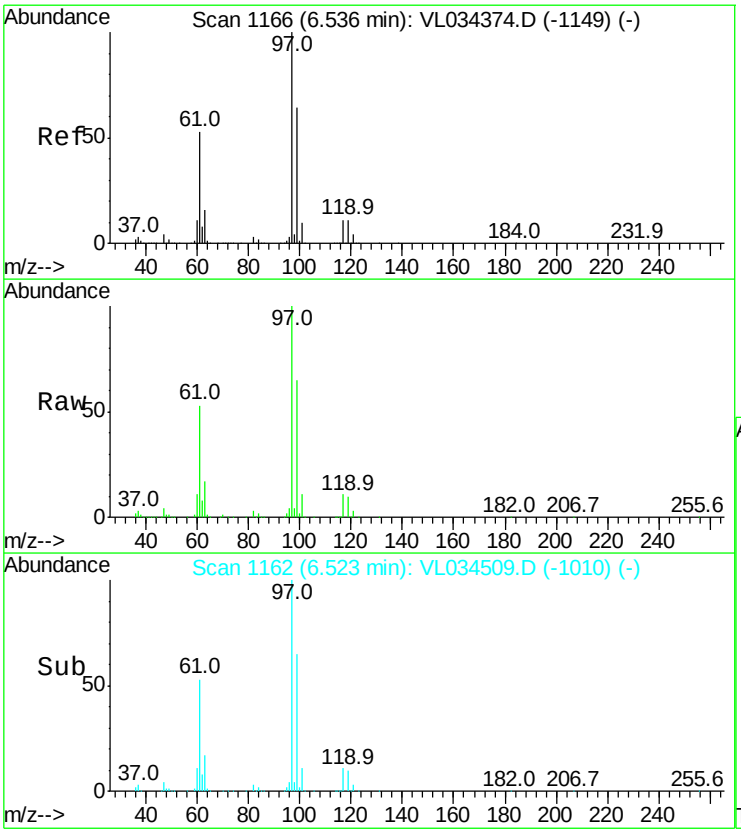
#31
cis-1,2-Dichloroethene
Concen: 8.555 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1082809

Ion	Ratio	Lower	Upper
61	100		
96	58.9	47.4	71.2
98	38.8	30.6	45.8

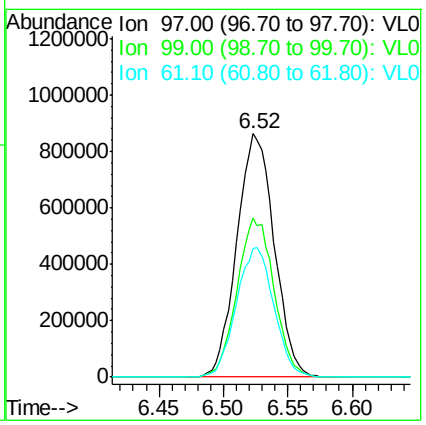


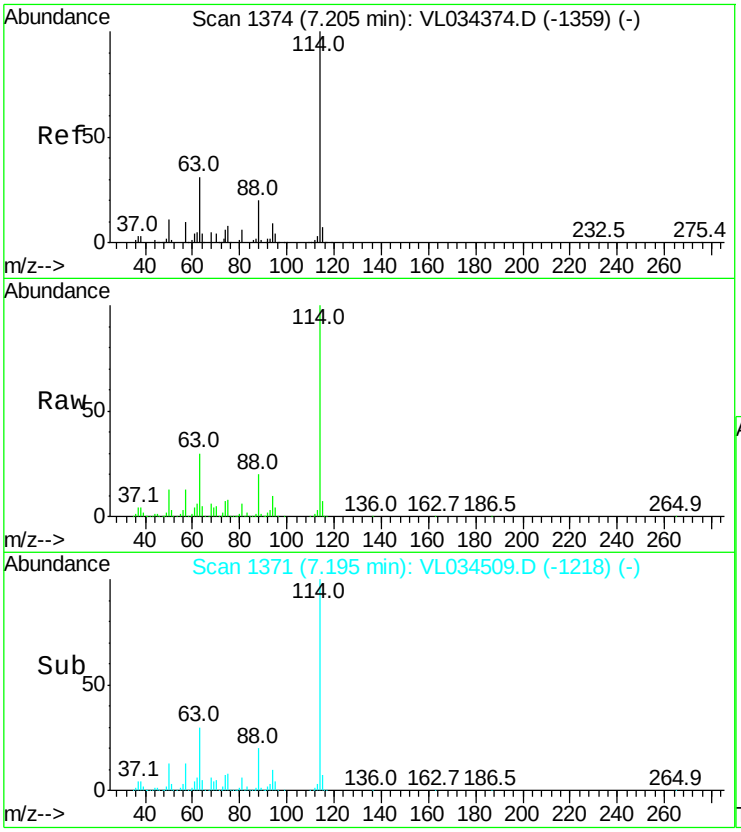


#32
1,1,1-Trichloroethane
Concen: 9.374 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 97 Resp: 1743323

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.3	78.5
61	53.6	43.7	65.5



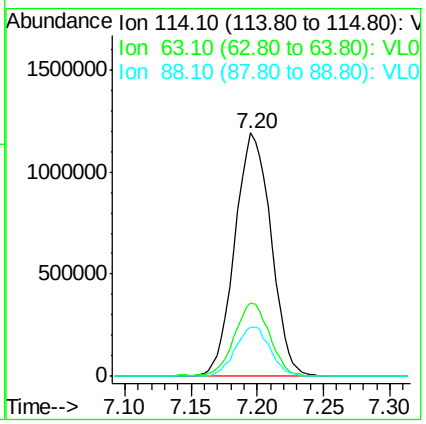


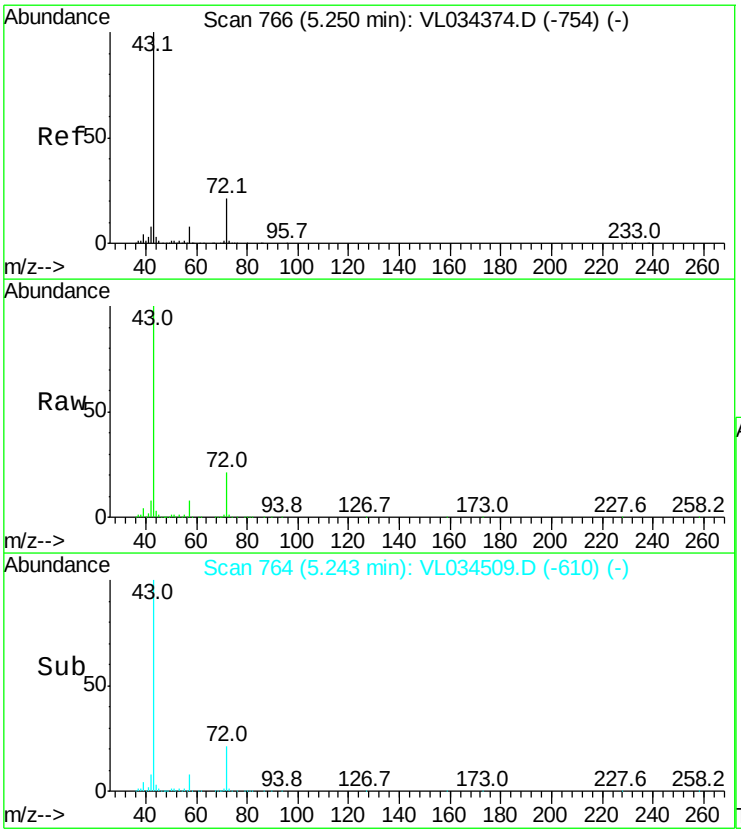
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 2263181

Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.2	36.4
88	19.6	15.9	23.9

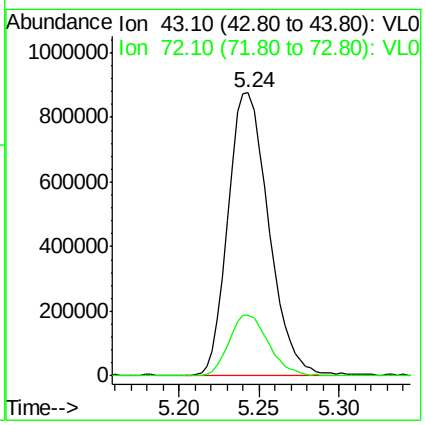


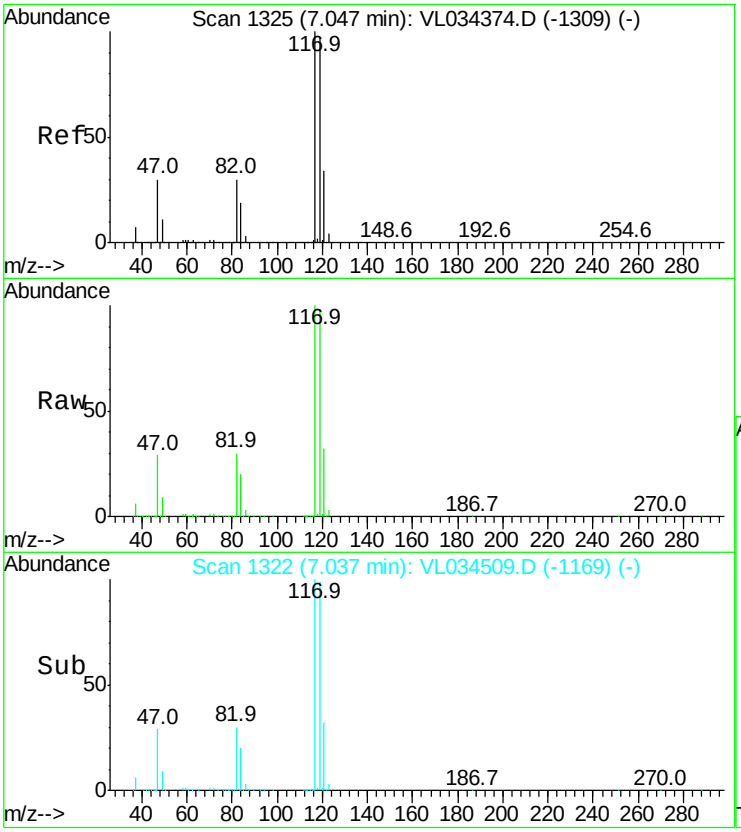


#34
2-Butanone
Concen: 8.151 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 43 Resp: 1518402

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.0	25.6



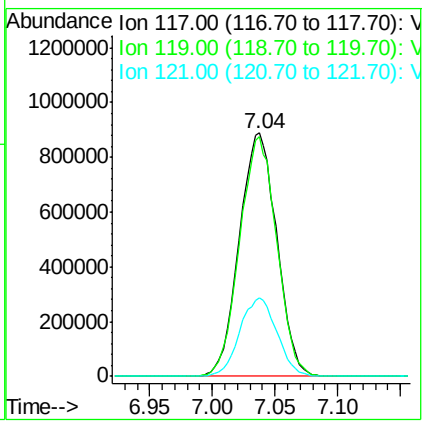


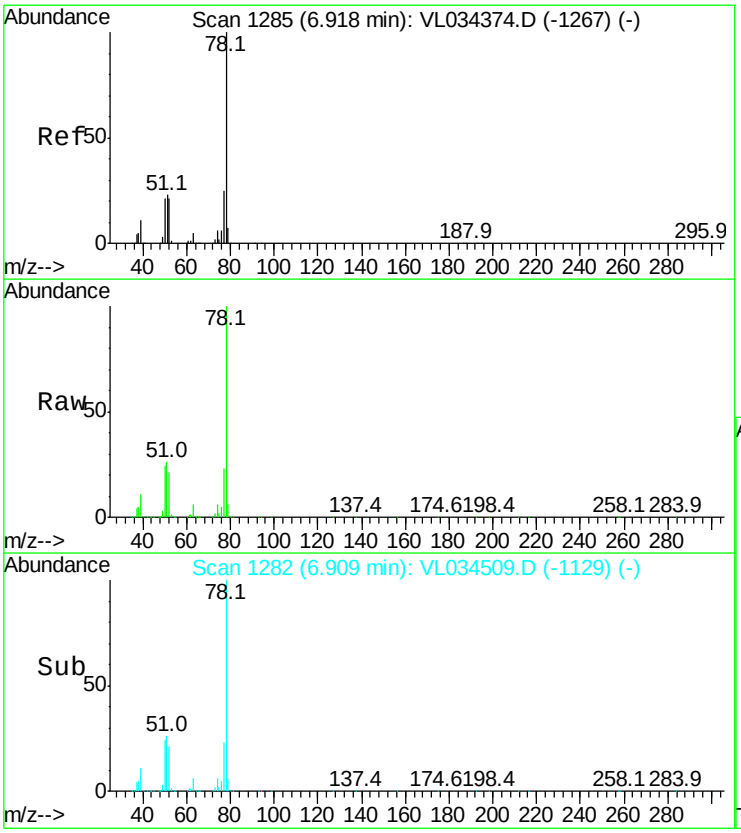
#35
Carbon Tetrachloride
Concen: 9.478 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 1844360

Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.3	115.9
121	32.4	27.4	41.2

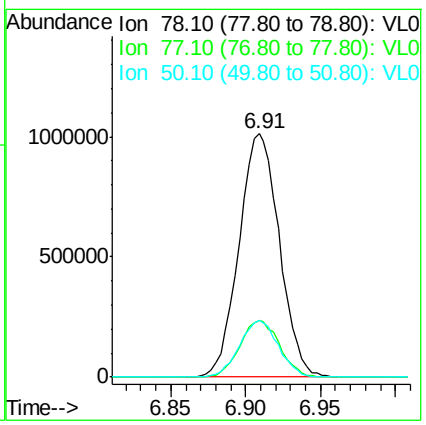


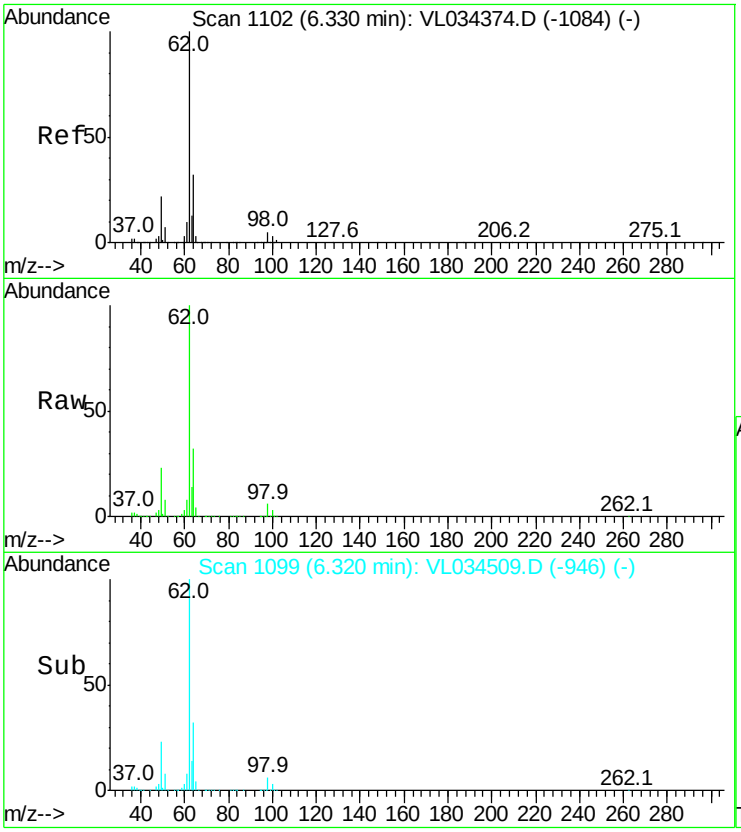


#36
Benzene
Concen: 8.399 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 78 Resp: 1900091

Ion	Ratio	Lower	Upper
78	100		
77	23.3	20.2	30.4
50	23.5	17.1	25.7



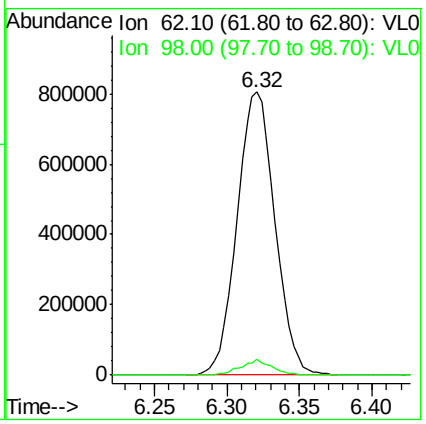


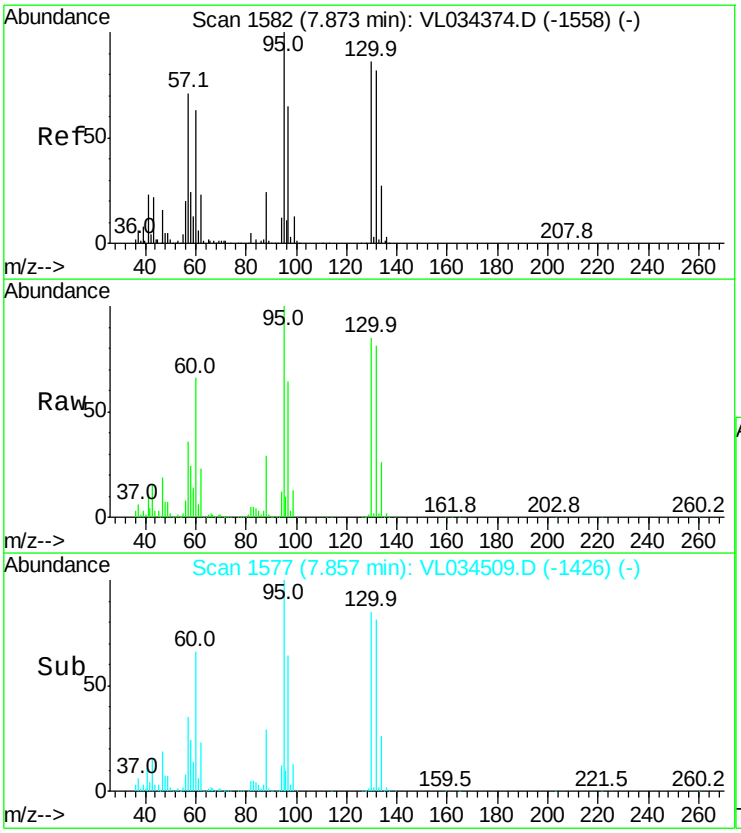
#37
1,2-Dichloroethane
Concen: 8.700 ppbv
RT: 6.32 min Scan# 1099
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 1462285

Ion	Ratio	Lower	Upper
62	100		
98	4.7	3.8	5.8

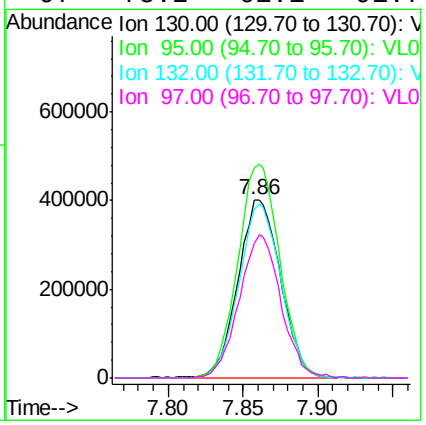


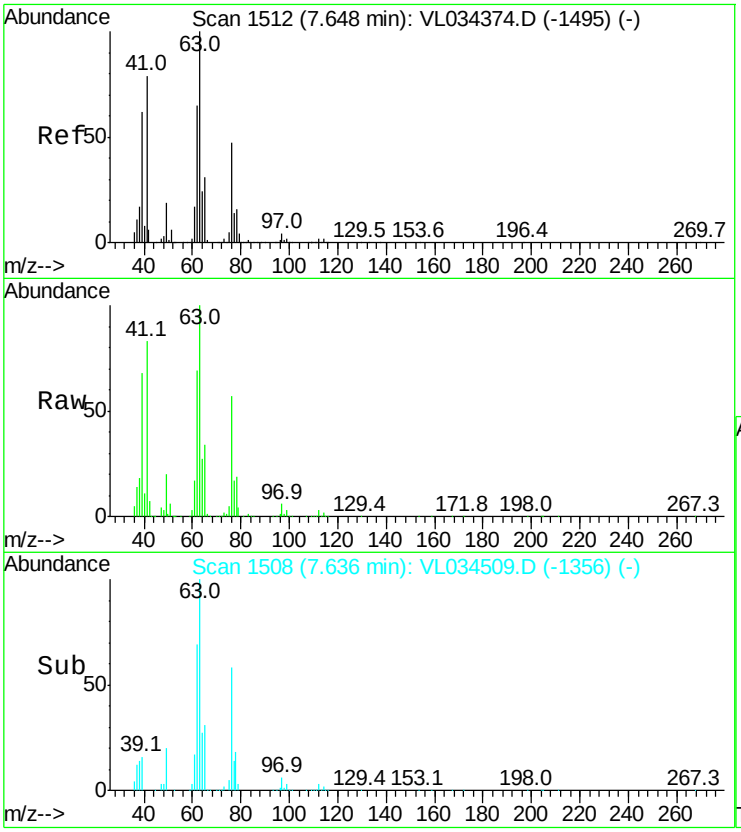


#38
Trichloroethene
Concen: 8.510 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:130 Resp: 790038

Ion	Ratio	Lower	Upper
130	100		
95	117.7	93.4	140.0
132	95.1	76.4	114.6
97	75.2	61.1	91.7



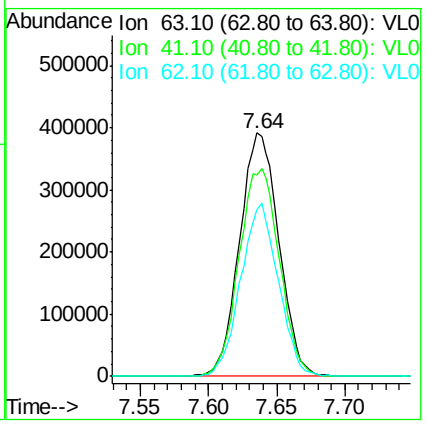


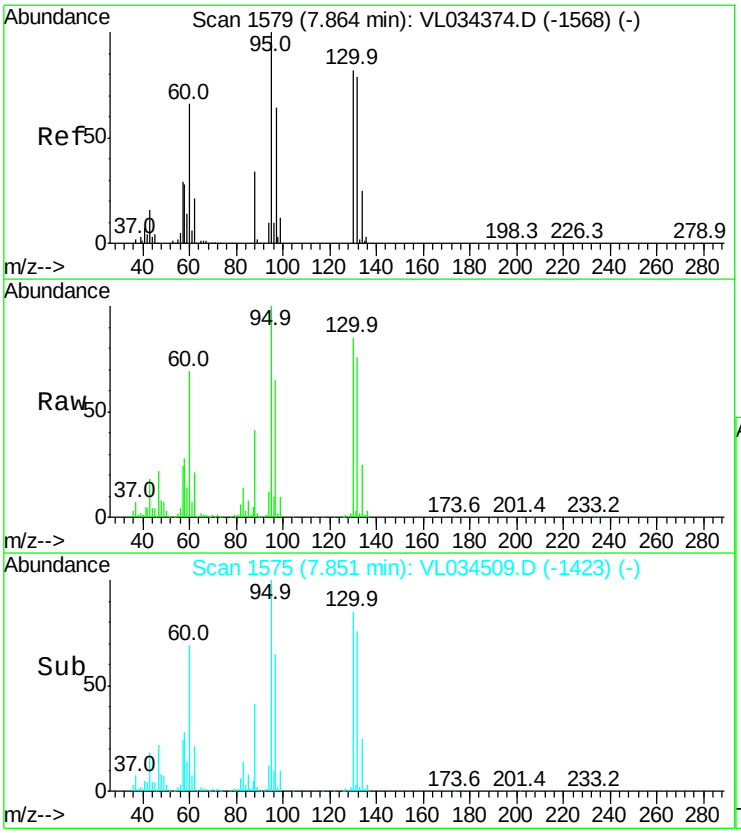
#39
1,2-Dichloropropane
Concen: 8.991 ppbv
RT: 7.64 min Scan# 1508
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 783670

Ion	Ratio	Lower	Upper
63	100		
41	82.6	63.1	94.7
62	68.6	52.3	78.5

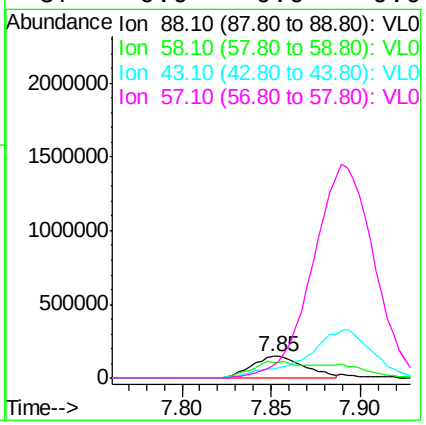


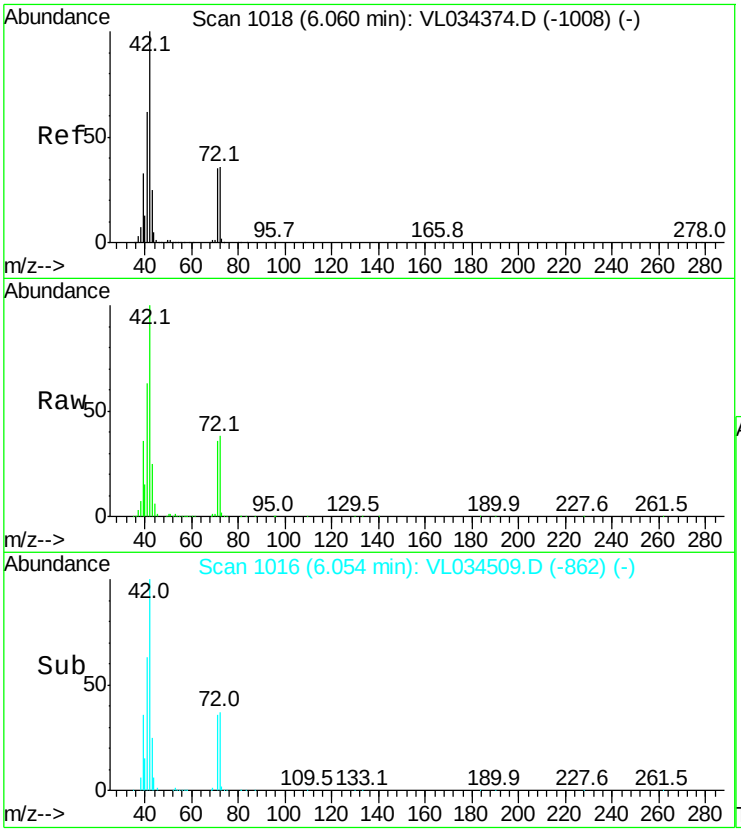


#40
1,4-Dioxane
Concen: 7.985 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 88 Resp: 304011

Ion	Ratio	Lower	Upper
88	100		
58	134.9	109.5	164.3
43	0.0	0.0	0.0
57	0.0	0.0	0.0



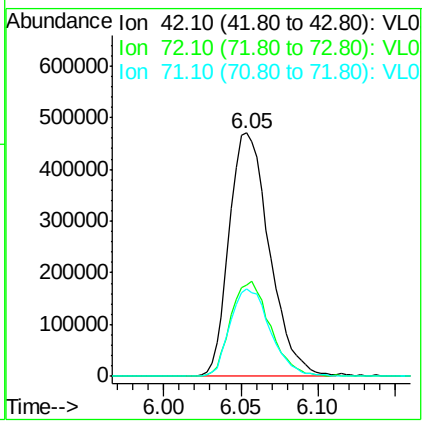


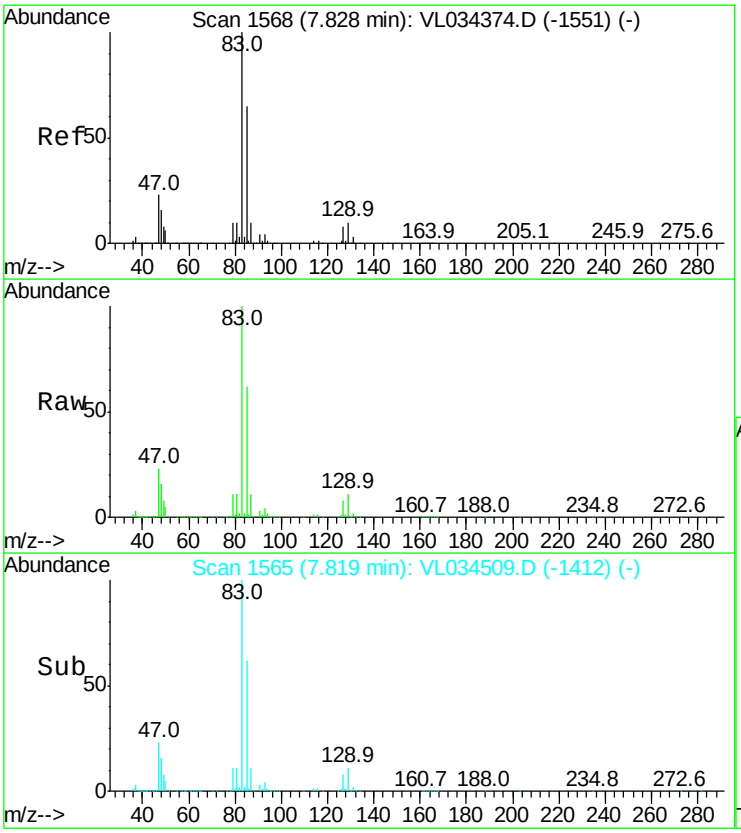
#41
Tetrahydrofuran
Concen: 8.152 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 851759

Ion	Ratio	Lower	Upper
42	100		
72	38.6	30.2	45.4
71	36.1	29.4	44.2

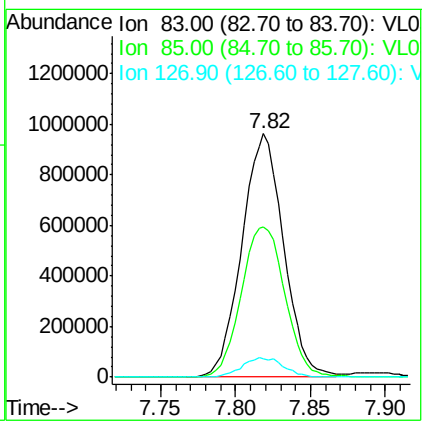


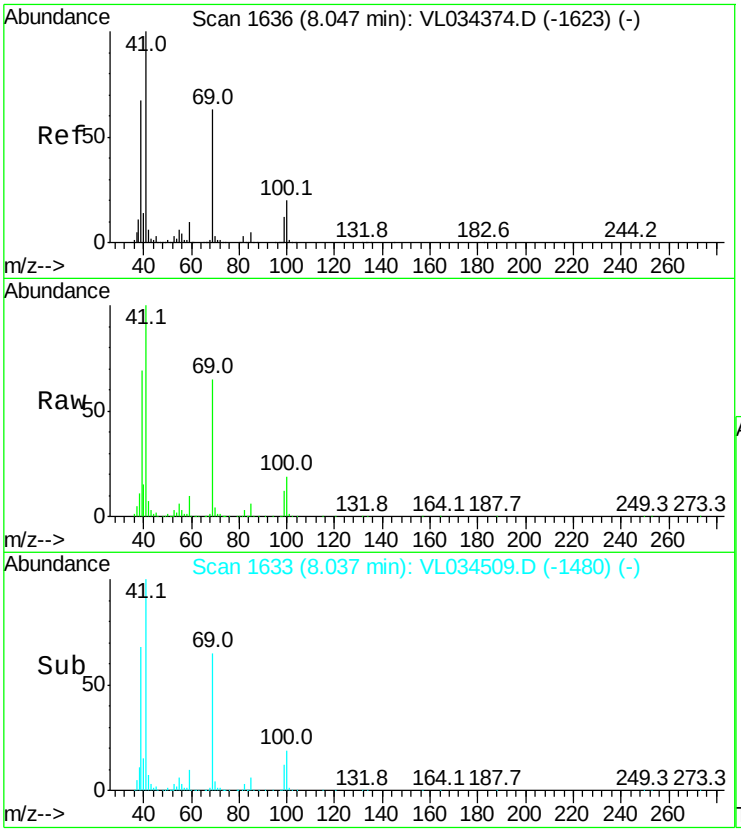


#42
Bromodichloromethane
Concen: 8.890 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 83 Resp: 1868587

Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.3	78.5
127	7.8	6.1	9.1



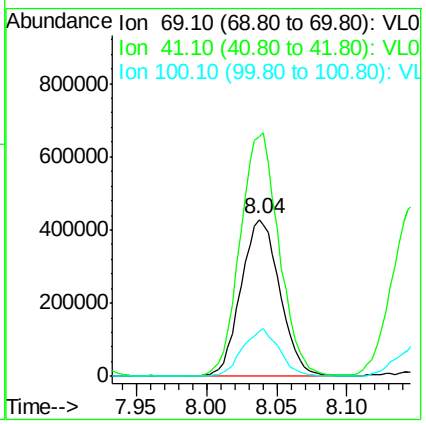


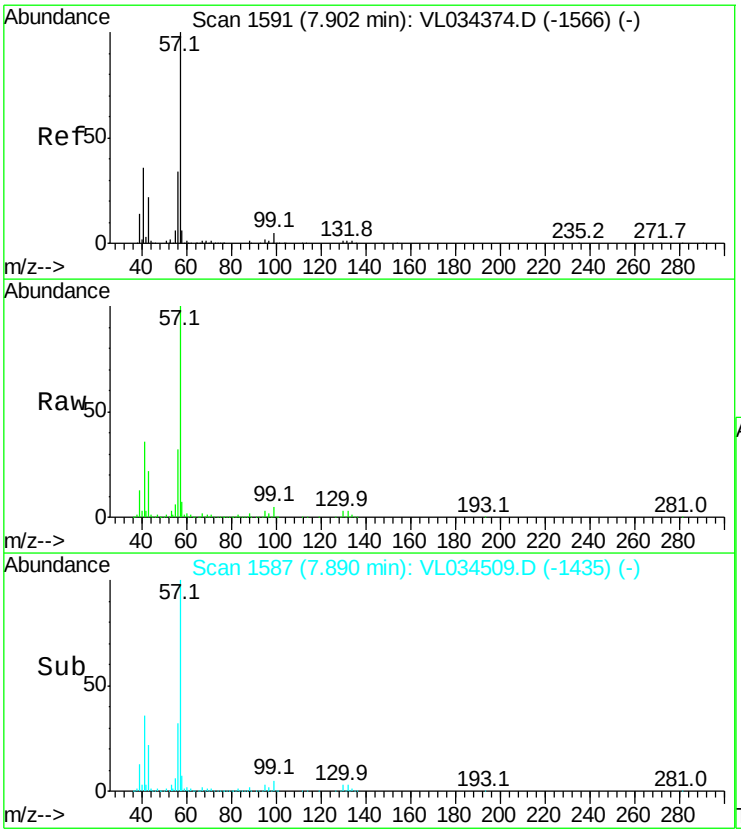
#43
Methyl Methacrylate
Concen: 8.839 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 829370

Ion	Ratio	Lower	Upper
69	100		
41	155.0	127.4	191.2
100	28.9	24.2	36.4

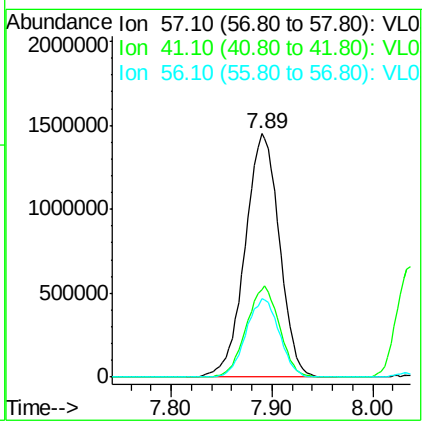


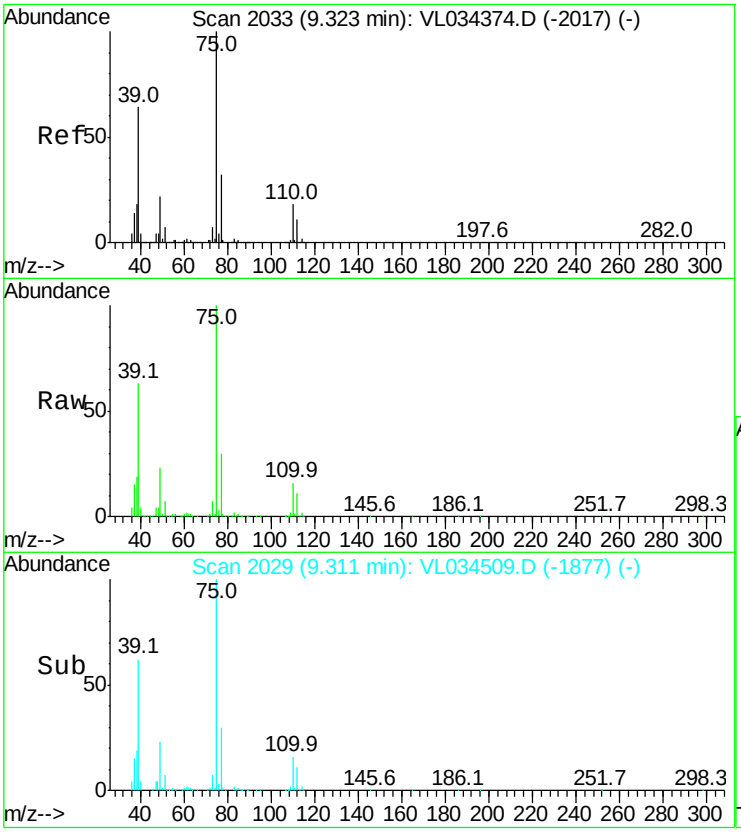


#44
2,2,4-Trimethylpentane
Concen: 8.256 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 57 Resp: 3413427

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.6	42.8
56	31.1	25.3	37.9



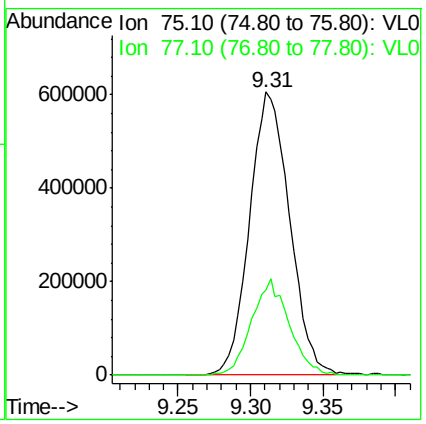


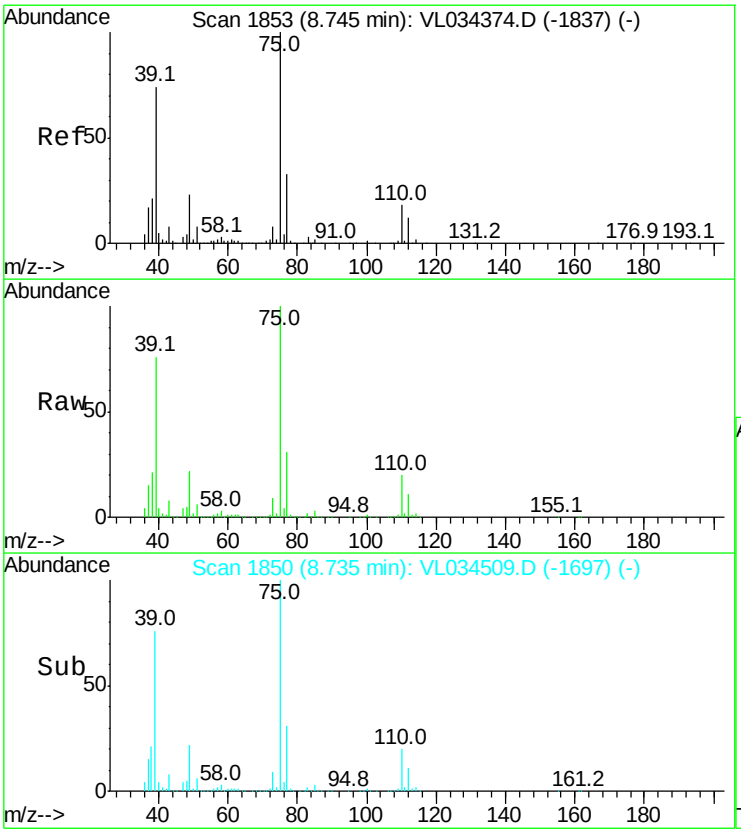
#45
t-1,3-Dichloropropene
Concen: 9.687 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1165726

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.4	38.2

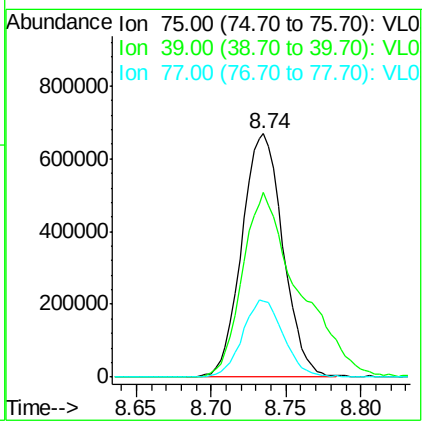


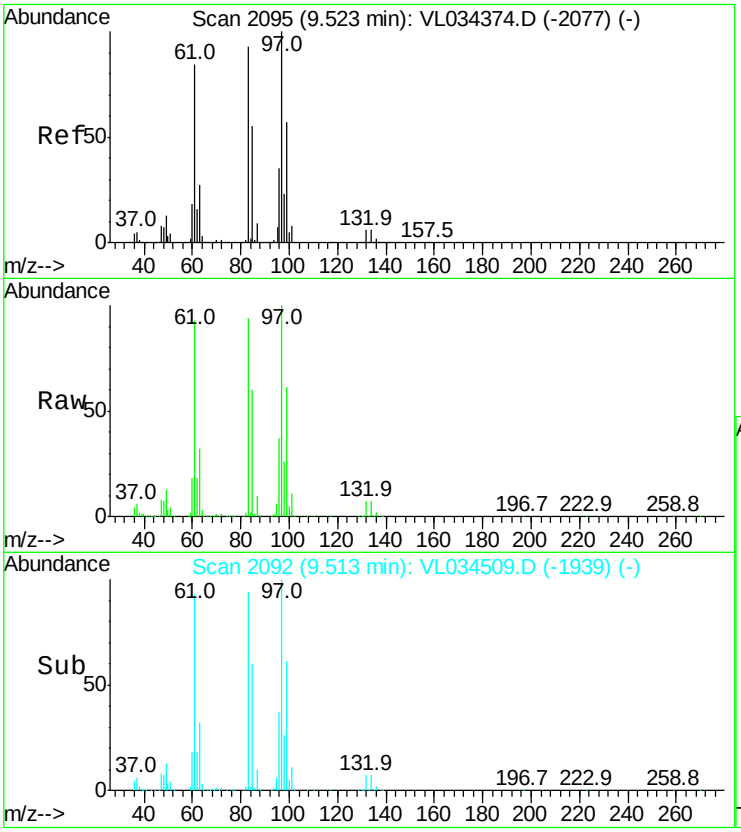


#46
cis-1,3-Dichloropropene
Concen: 9.474 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 75 Resp: 1280626

Ion	Ratio	Lower	Upper
75	100		
39	75.6	59.0	88.6
77	31.0	26.4	39.6



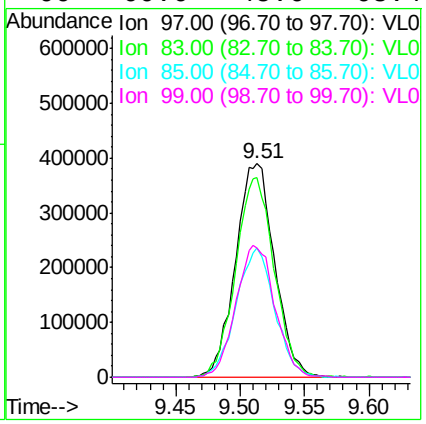


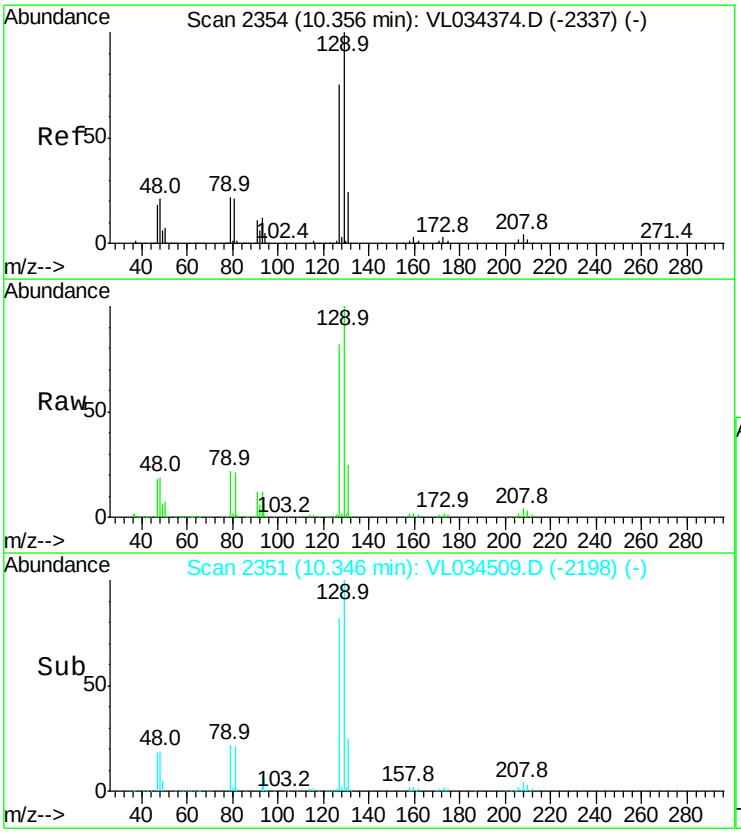
#47
1,1,2-Trichloroethane
Concen: 8.467 ppbv
RT: 9.51 min Scan# 2092
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 820905

Ion	Ratio	Lower	Upper
97	100		
83	93.7	74.6	112.0
85	60.3	43.8	65.8
99	60.6	45.6	68.4

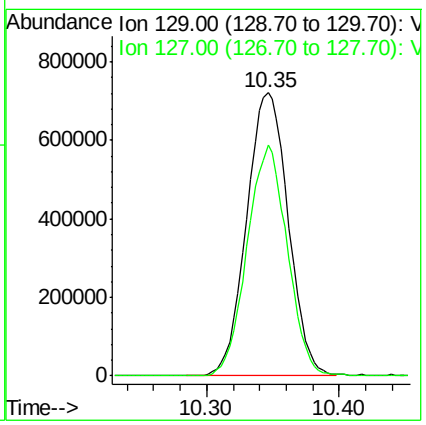


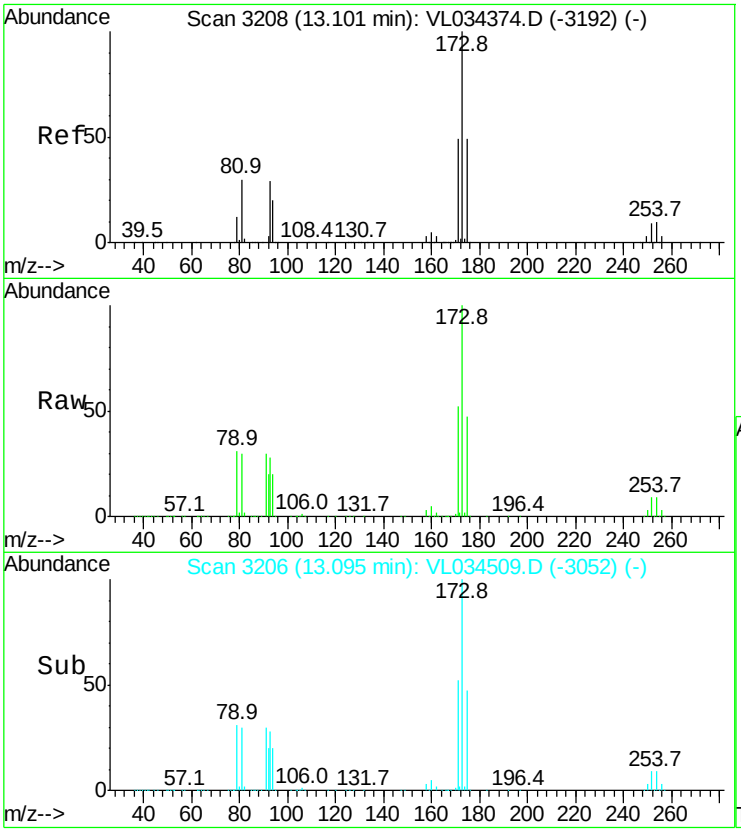


#48
Dibromochloromethane
Concen: 9.454 ppbv
RT: 10.35 min Scan# 2351
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:129 Resp: 1573909

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5



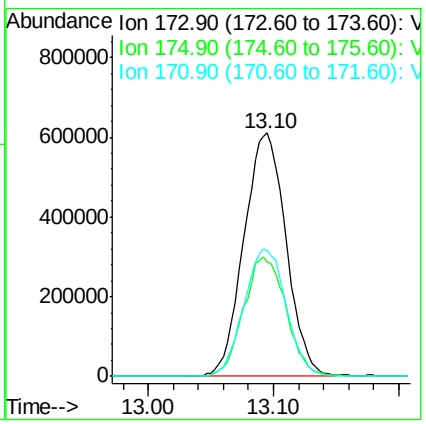


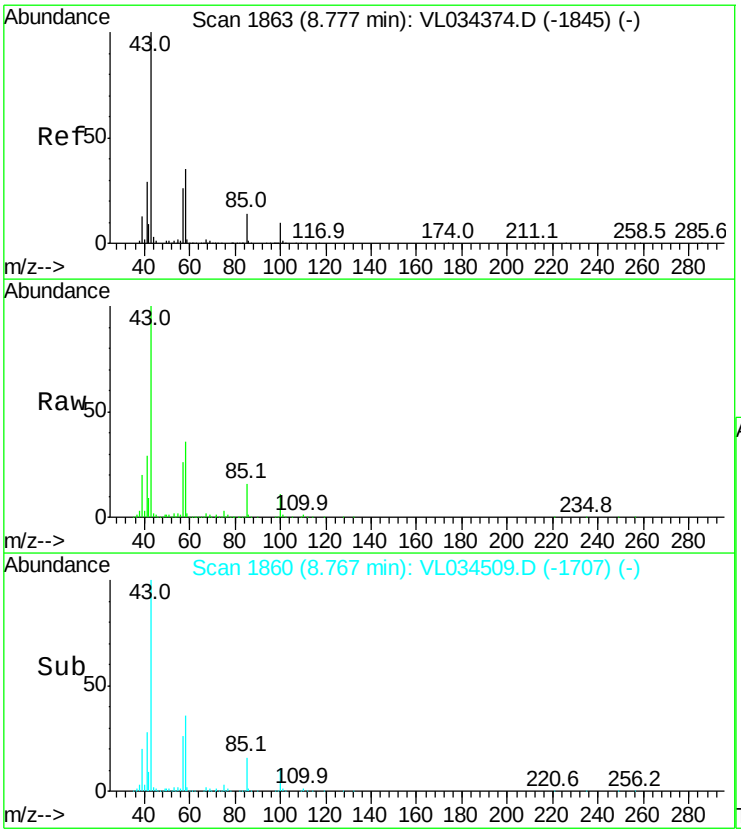
#49
Bromoform
Concen: 9.603 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 1427021

Ion	Ratio	Lower	Upper
173	100		
175	49.8	39.3	58.9
171	52.6	42.4	63.6

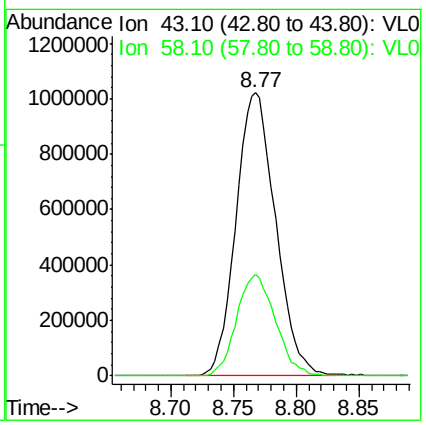


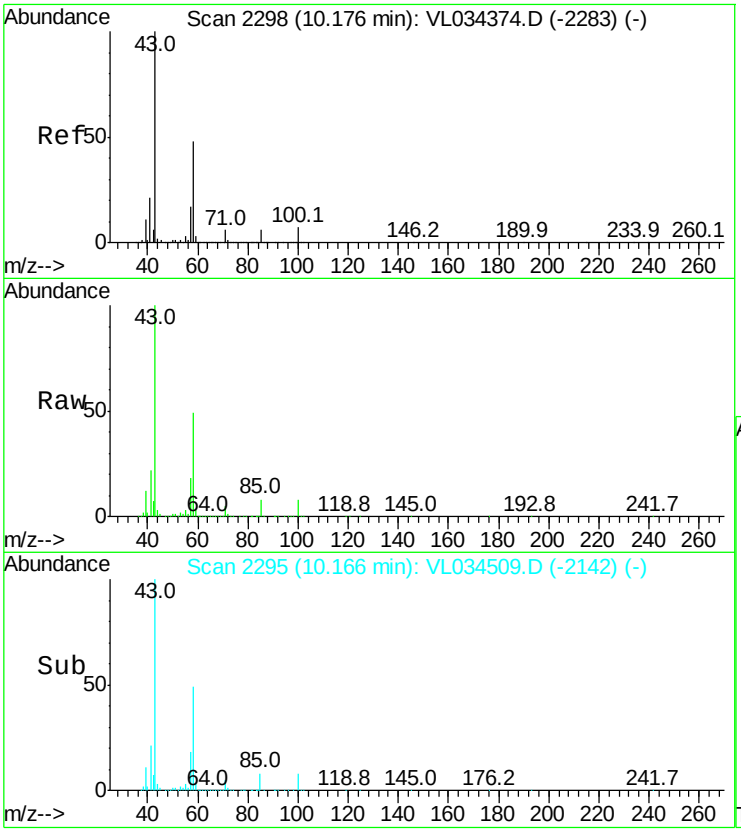


#50
4-Methyl-2-Pentanone
Concen: 8.327 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 43 Resp: 2244411

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.9	41.9



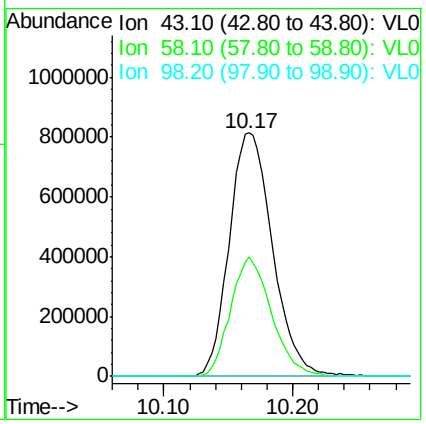


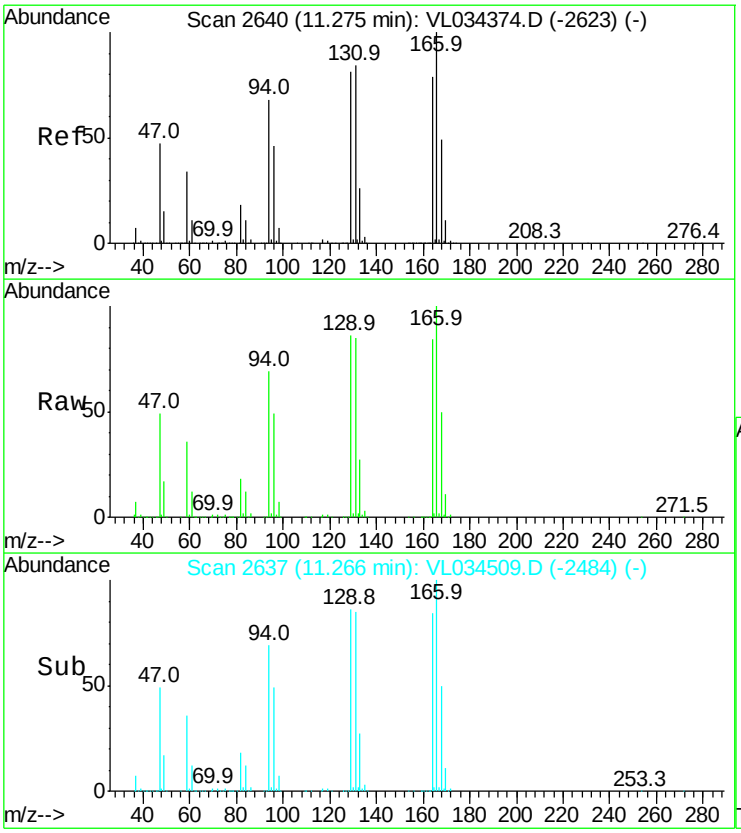
#51
2-Hexanone
Concen: 8.409 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1898383

Ion	Ratio	Lower	Upper
43	100		
58	46.7	38.2	57.4
98	0.2	0.2	0.2#

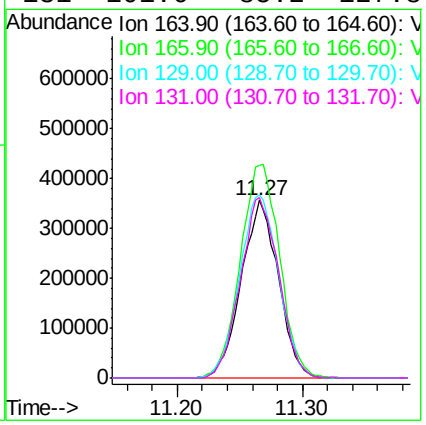


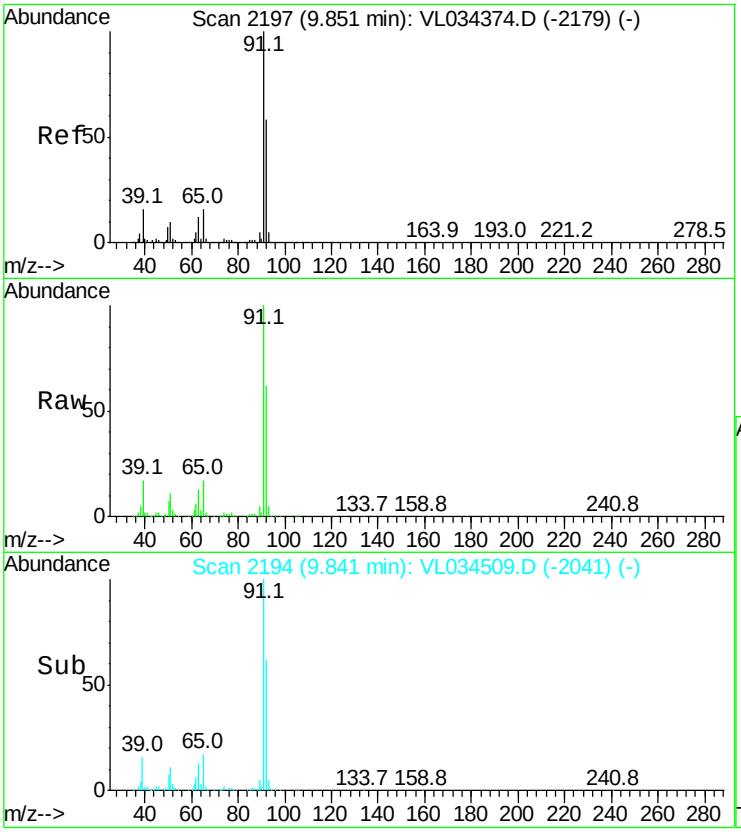


#52
Tetrachloroethene
Concen: 7.478 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:164 Resp: 731973

Ion	Ratio	Lower	Upper
164	100		
166	119.6	101.7	152.5
129	102.7	82.6	123.8
131	101.6	85.2	127.8



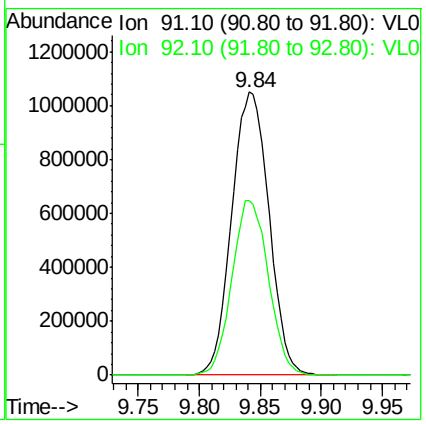


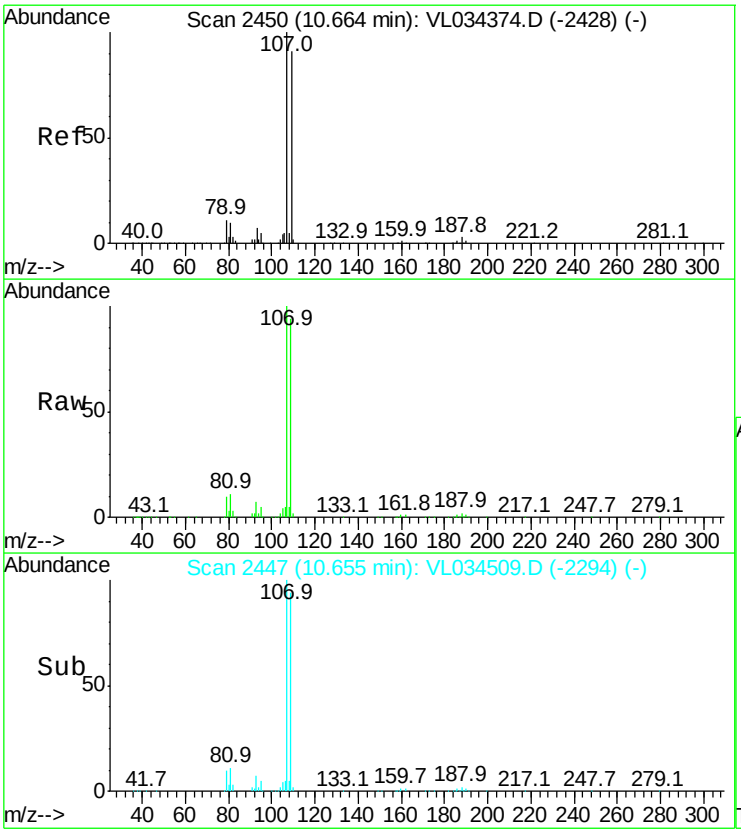
#53
Toluene
Concen: 8.634 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2218646

Ion	Ratio	Lower	Upper
91	100		
92	60.5	47.9	71.9

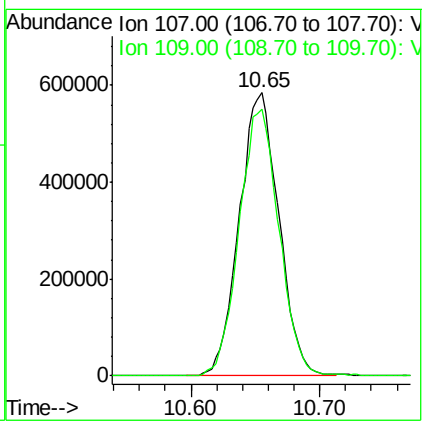


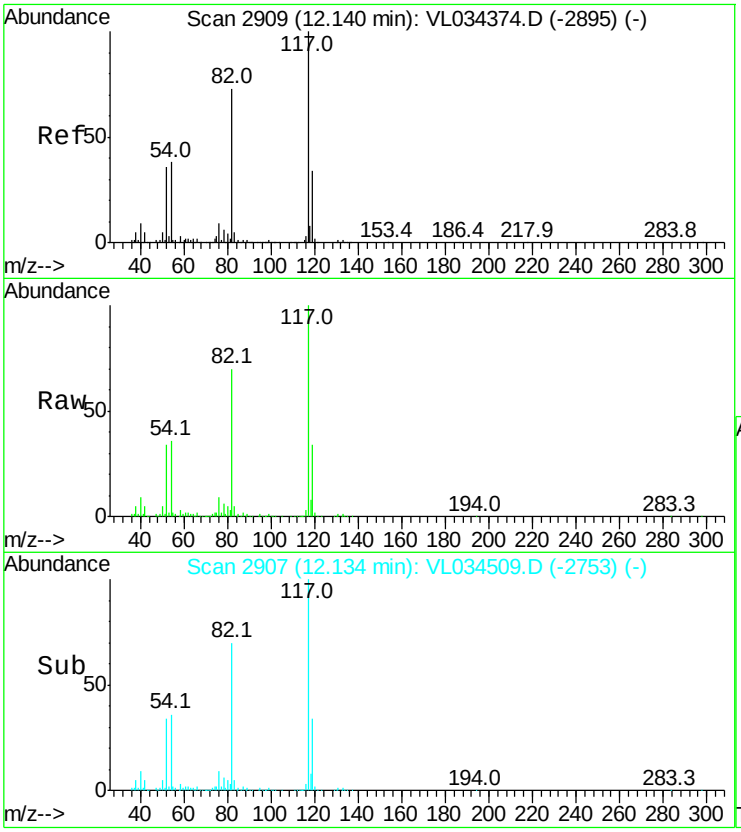


#54
1,2-Dibromoethane
Concen: 8.413 ppbv
RT: 10.65 min Scan# 2447
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:107 Resp: 1250482

Ion	Ratio	Lower	Upper
107	100		
109	94.4	73.0	109.4



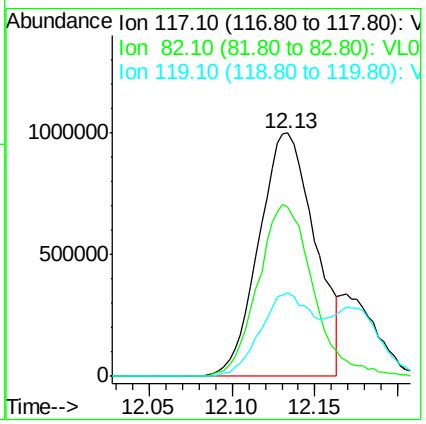


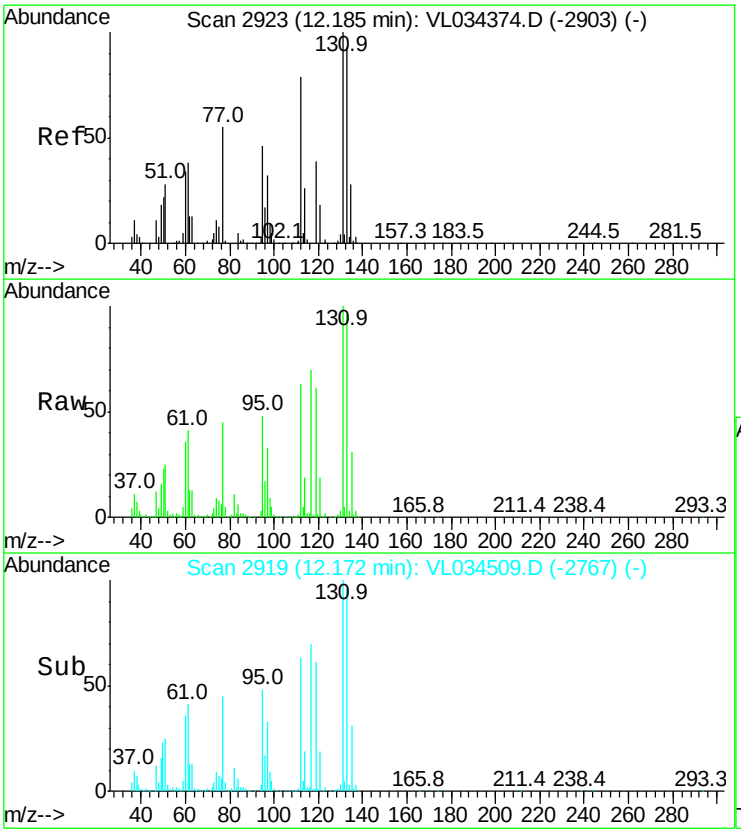
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 2336980

Ion	Ratio	Lower	Upper
117	100		
82	70.3	57.5	86.3
119	33.9	25.4	38.2

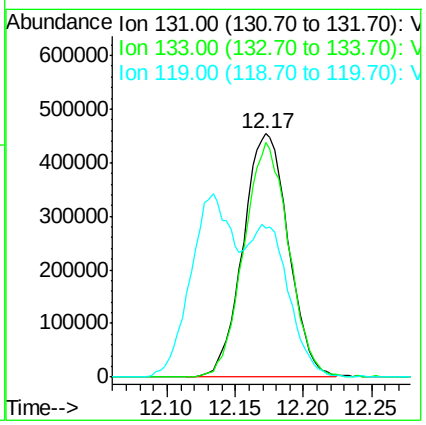


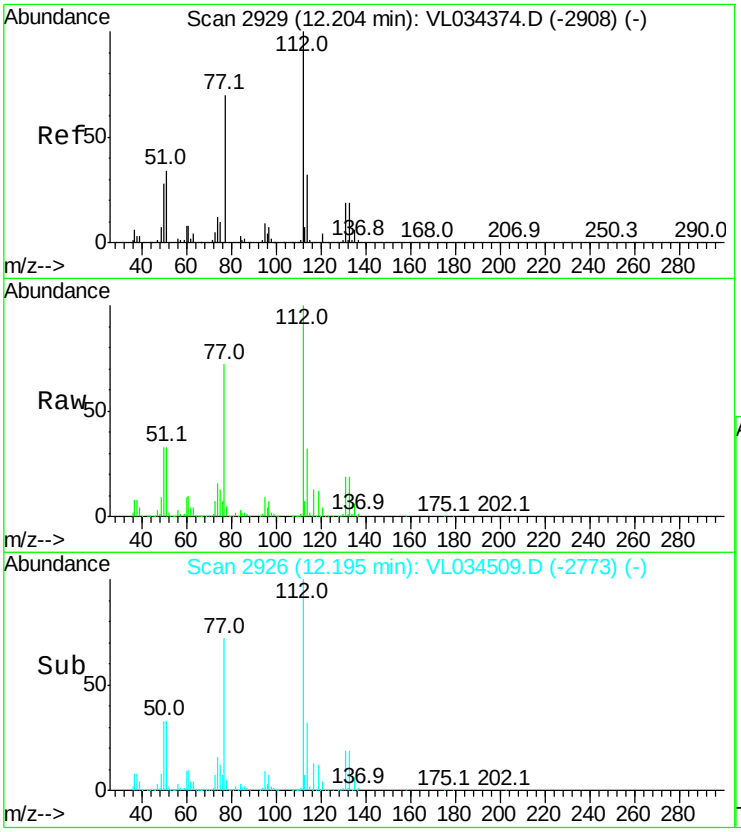


#56
1,1,1,2-Tetrachloroethane
Concen: 9.156 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:131 Resp: 1046678

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.2	114.2
119	58.9	44.6	67.0



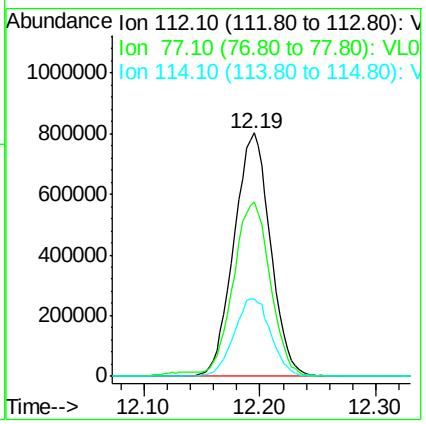


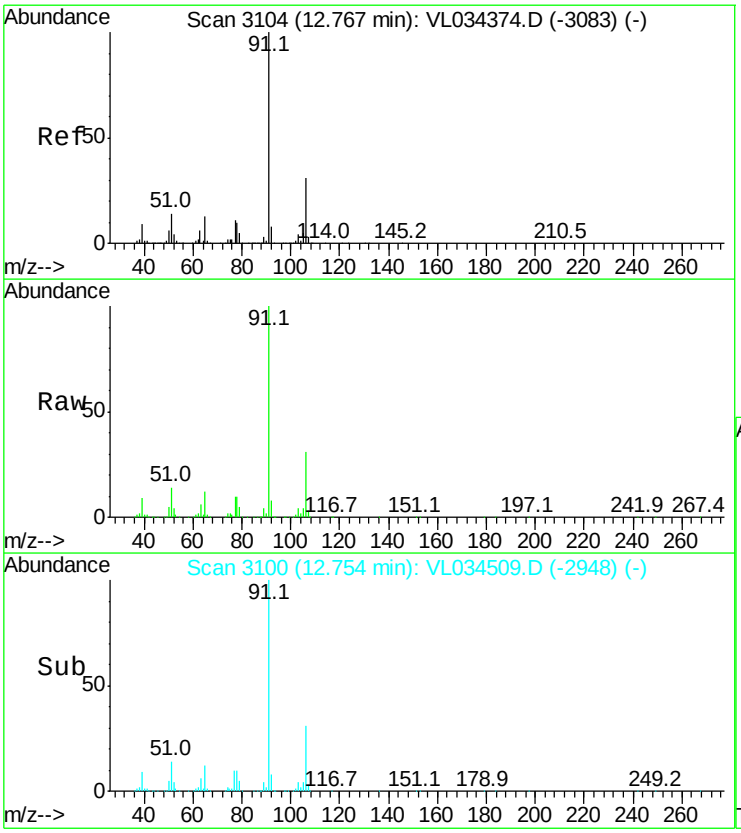
#57
Chlorobenzene
Concen: 8.281 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:112 Resp: 1749373

Ion	Ratio	Lower	Upper
112	100		
77	71.7	57.1	85.7
114	31.6	28.5	34.9

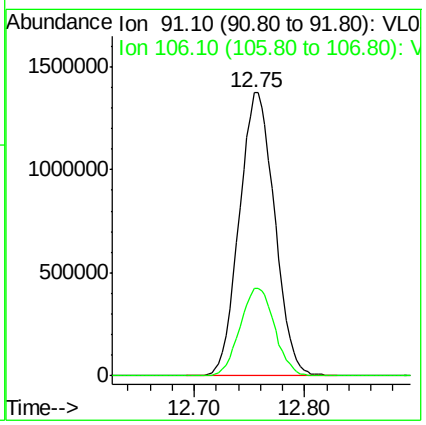


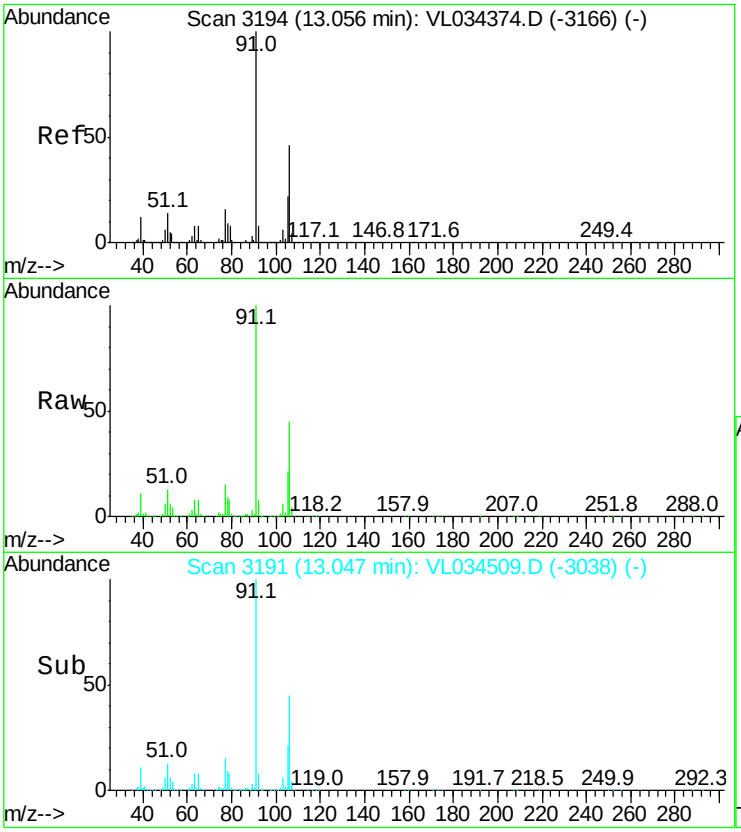


#58
Ethyl Benzene
Concen: 8.411 ppbv
RT: 12.75 min Scan# 3100
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 91 Resp: 3050460

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.8	37.2



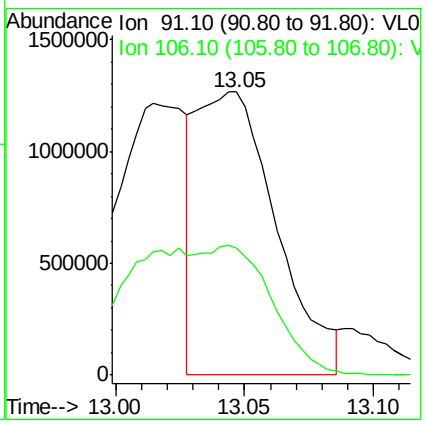


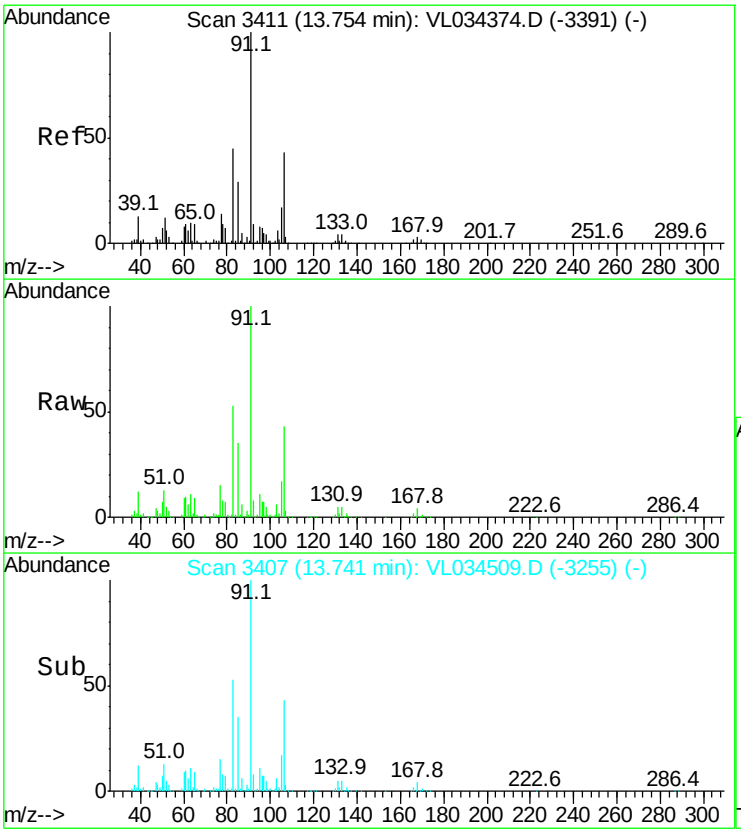
#59
m/p-Xylene
Concen: 8.648 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 2711217

Ion	Ratio	Lower	Upper
91	100		
106	84.2	34.6	51.8#

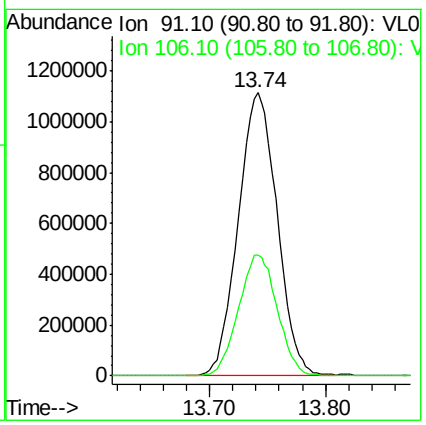


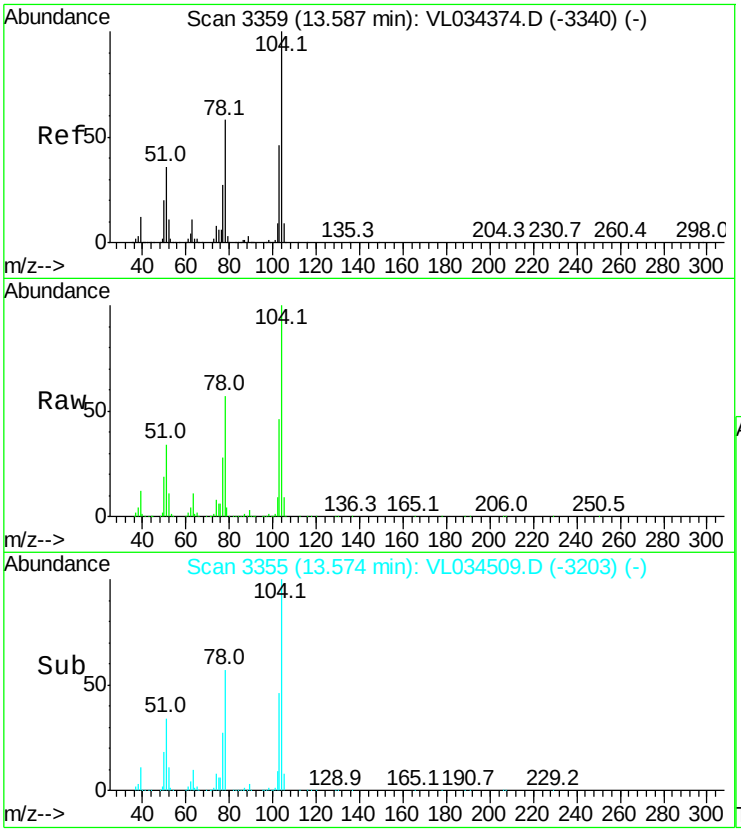


#60
o-Xylene
Concen: 8.351 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 91 Resp: 2588328

Ion	Ratio	Lower	Upper
91	100		
106	42.9	21.3	64.0



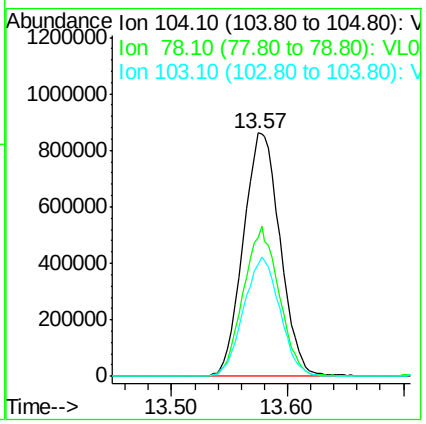


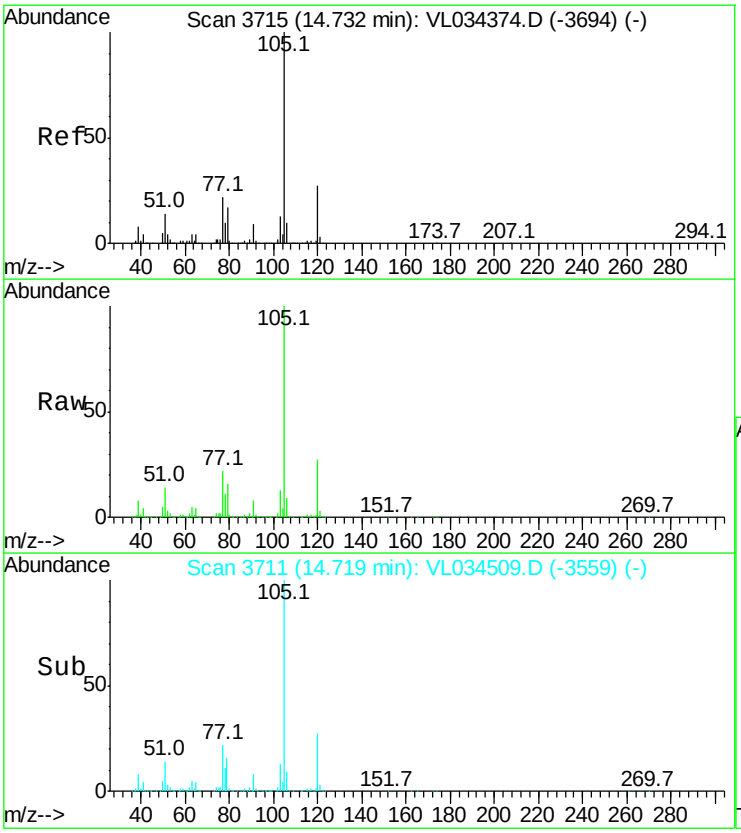
#61
Styrene
Concen: 8.525 ppbv
RT: 13.57 min Scan# 3355
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:104 Resp: 1905625

Ion	Ratio	Lower	Upper
104	100		
78	59.6	47.6	71.4
103	48.3	38.6	57.8

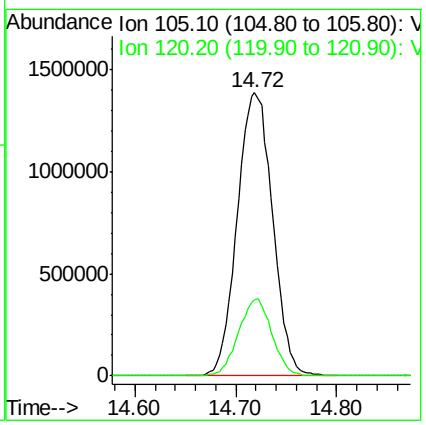


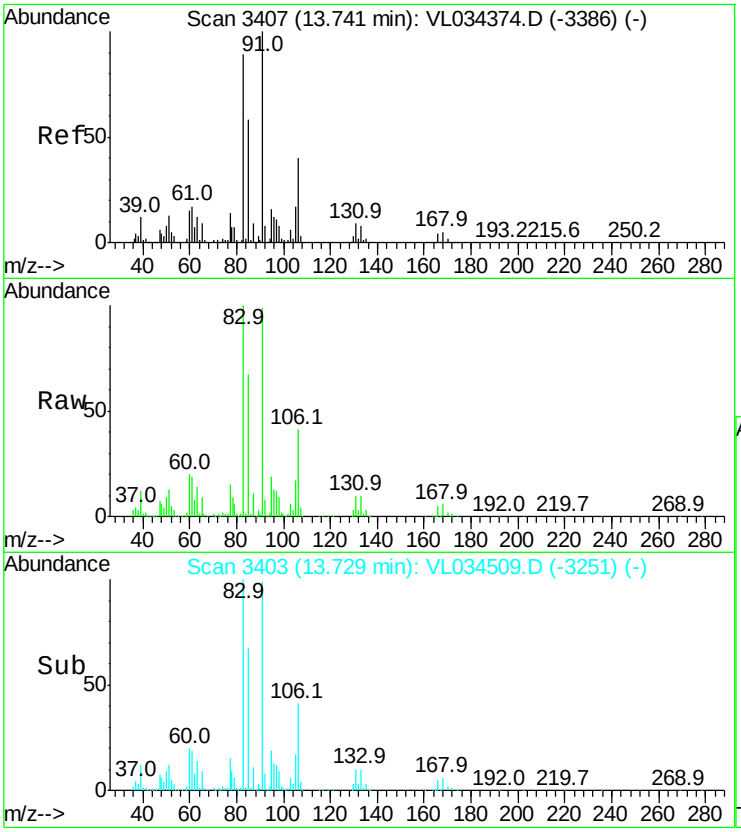


#62
Isopropylbenzene
Concen: 8.214 ppbv
RT: 14.72 min Scan# 3711
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:105 Resp: 3367219

Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.2	30.4



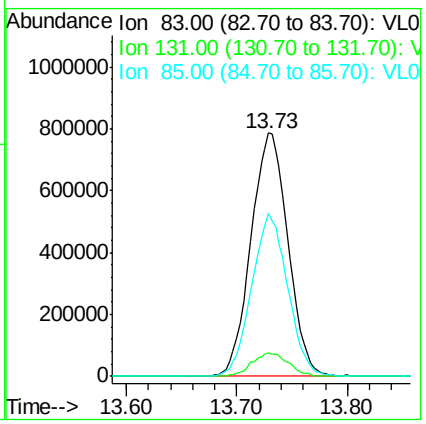


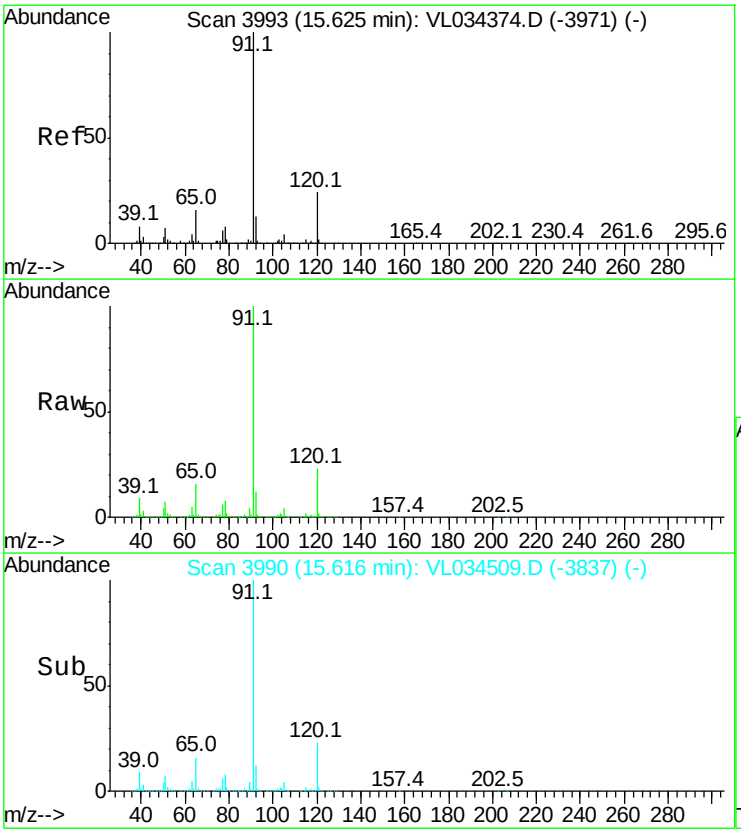
#63
1,1,2,2-Tetrachloroethane
Concen: 7.830 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1824290

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.7
85	64.9	32.6	97.8

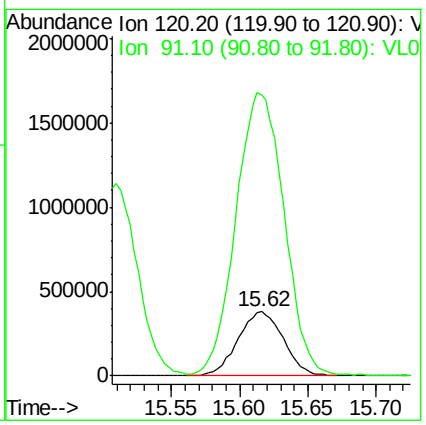


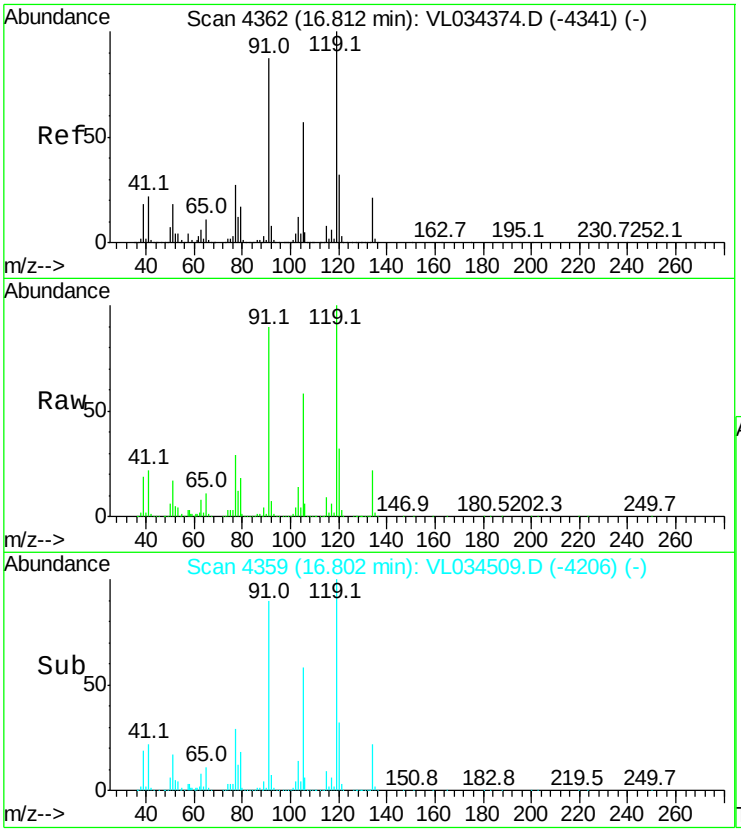


#64
n-propylbenzene
Concen: 8.273 ppbv
RT: 15.62 min Scan# 3990
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:120 Resp: 880716

Ion	Ratio	Lower	Upper
120	100		
91	469.5	370.9	556.3



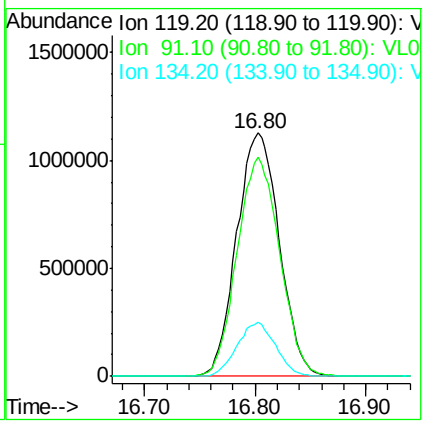


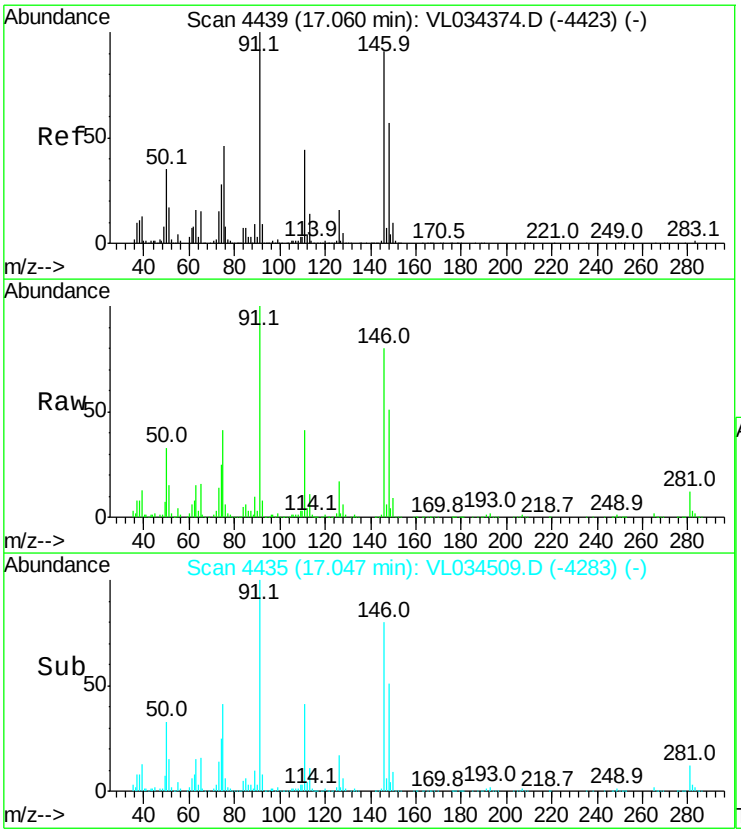
#65
tert-Butylbenzene
Concen: 8.206 ppbv
RT: 16.80 min Scan# 4359
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:119 Resp: 3021654

Ion	Ratio	Lower	Upper
119	100		
91	90.0	71.6	107.4
134	20.1	15.9	23.9

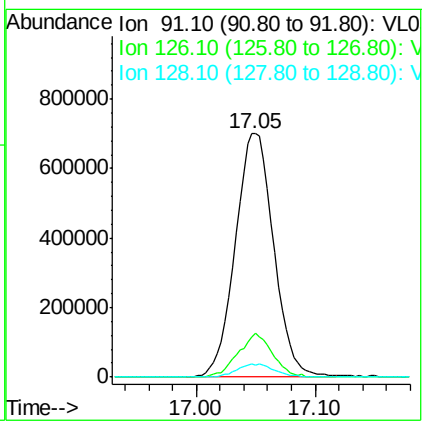


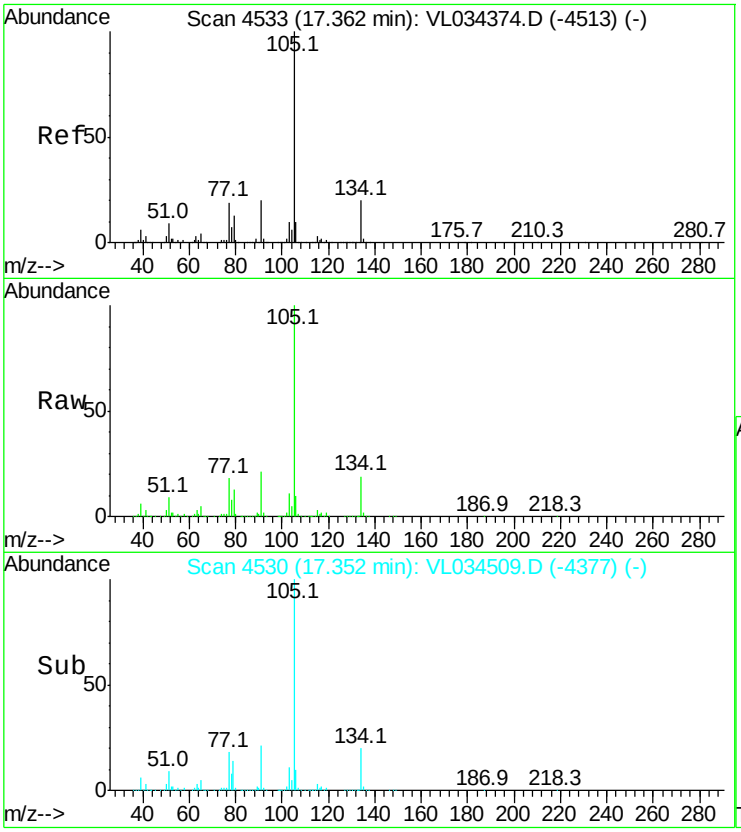


#66
Benzyl Chloride
Concen: 11.023 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 91 Resp: 1561511

Ion	Ratio	Lower	Upper
91	100		
126	16.4	12.9	19.3
128	5.3	4.3	6.5



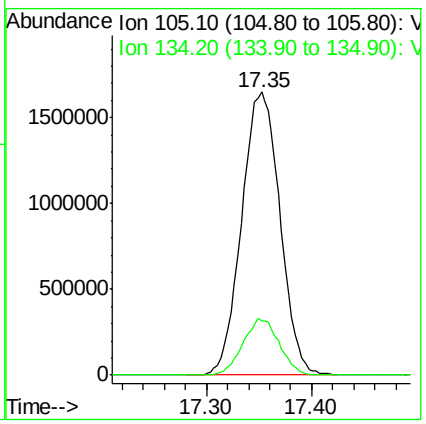


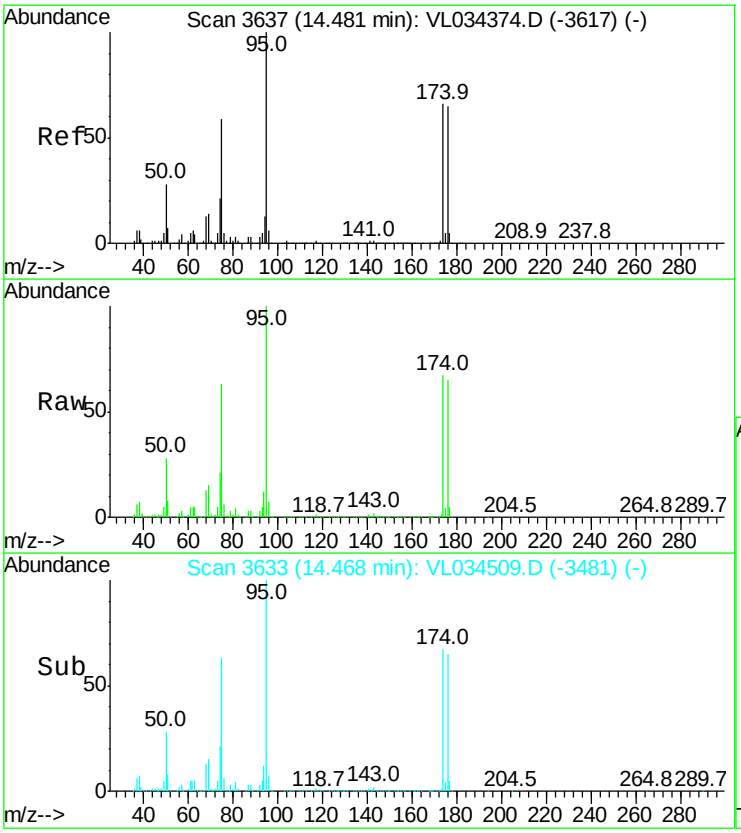
#67
sec-Butylbenzene
Concen: 8.093 ppbv
RT: 17.35 min Scan# 4530
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:105 Resp: 4168876

Ion	Ratio	Lower	Upper
105	100		
134	18.9	15.0	22.6

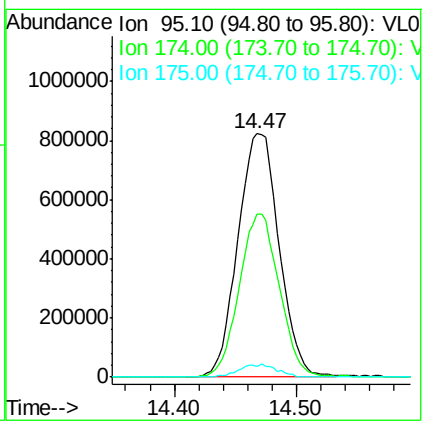


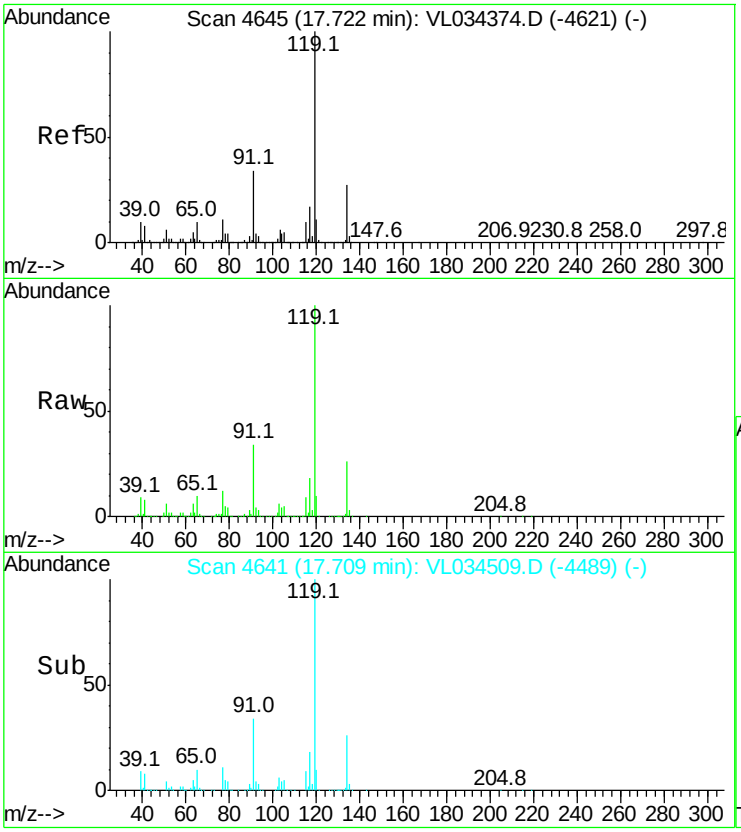


#68
1-Bromo-4-Fluorobenzene
Concen: 9.762 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 95 Resp: 1919246

Ion	Ratio	Lower	Upper
95	100		
174	65.5	52.2	78.2
175	4.9	3.8	5.8



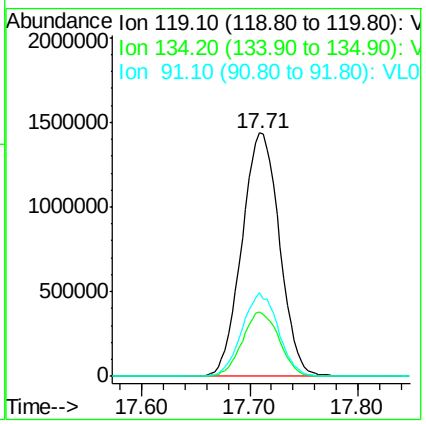


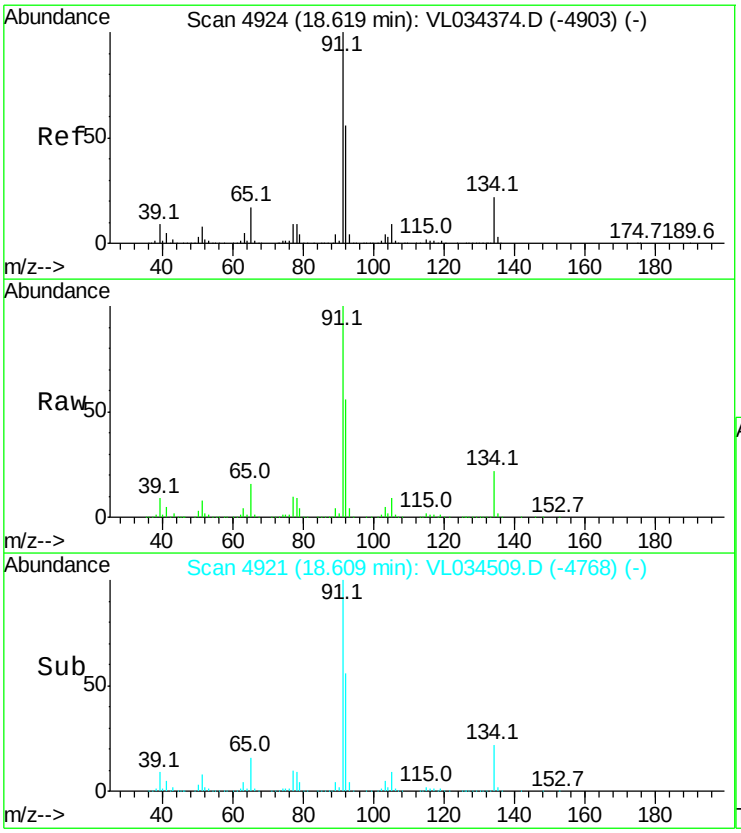
#69
p-Isopropyltoluene
Concen: 8.141 ppbv
RT: 17.71 min Scan# 4641
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 3479986

Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.6	31.0
91	33.2	26.3	39.5

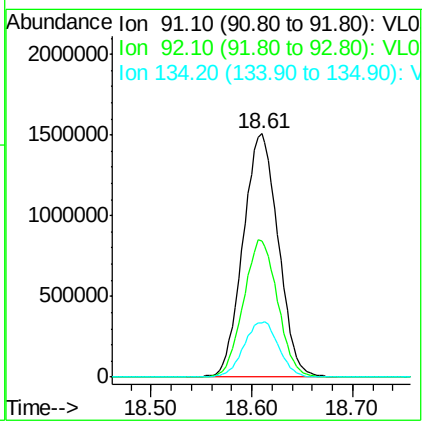


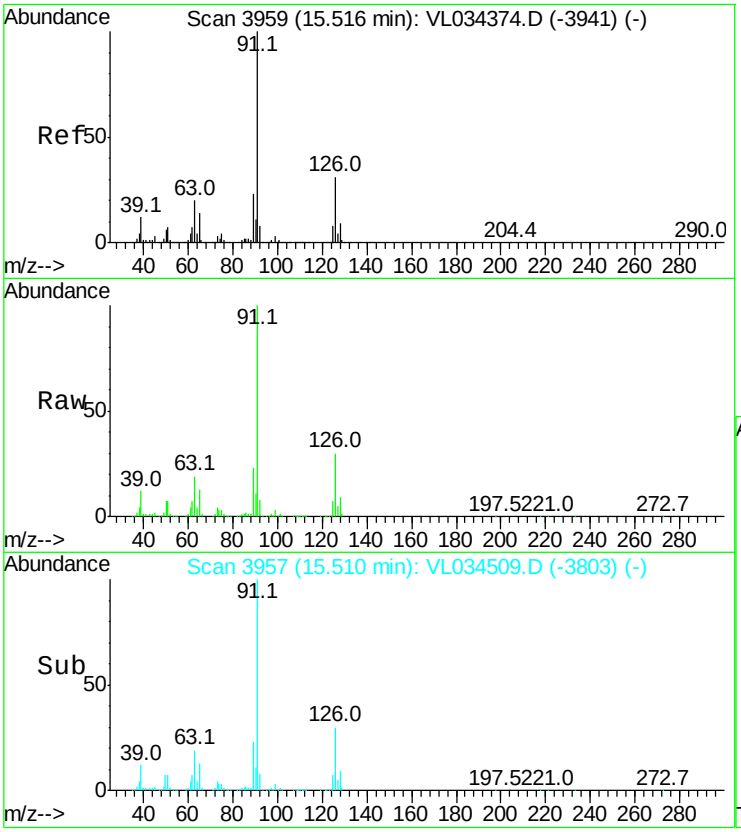


#70
n-Butylbenzene
Concen: 7.918 ppbv
RT: 18.61 min Scan# 4921
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion: 91 Resp: 3642078

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	22.5	17.9	26.9



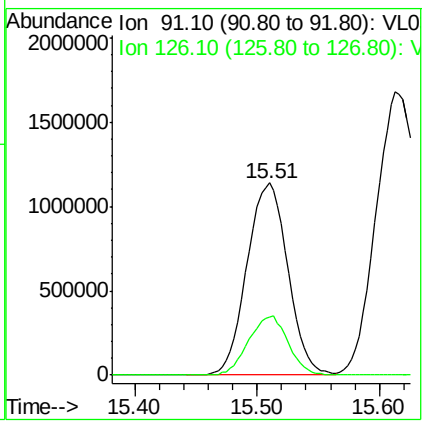


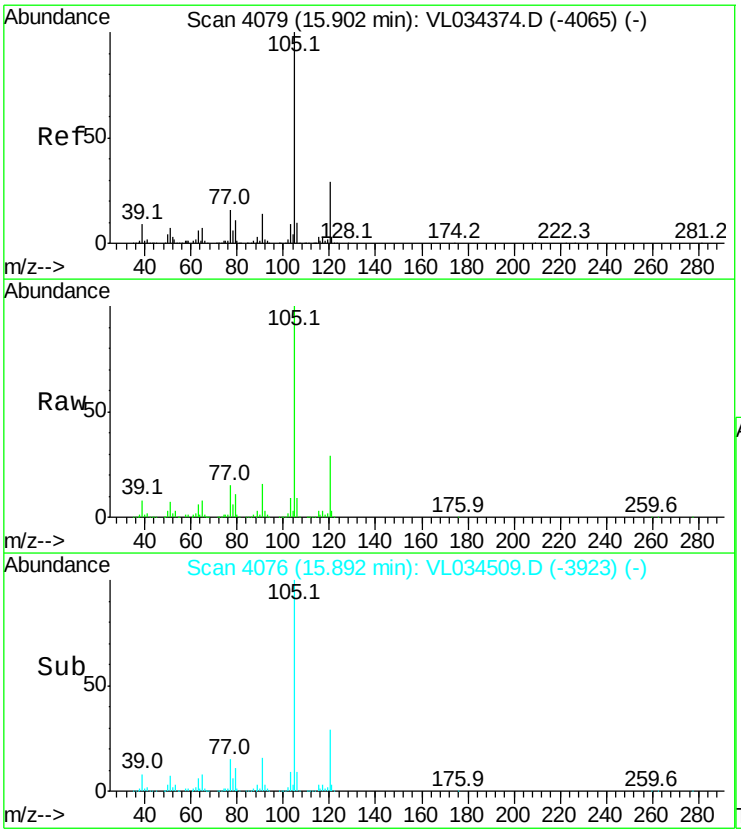
#71
2-Chlorotoluene
Concen: 8.078 ppbv
RT: 15.51 min Scan# 3957
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 2640551

Ion	Ratio	Lower	Upper
91	100		
126	29.9	11.8	47.4

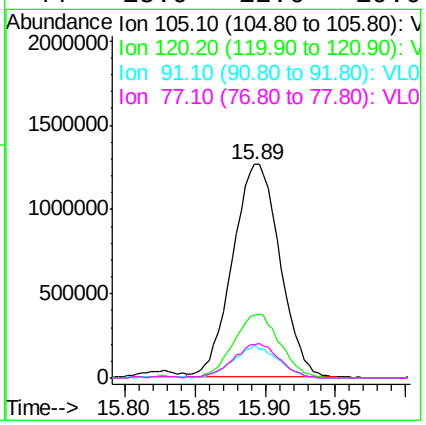


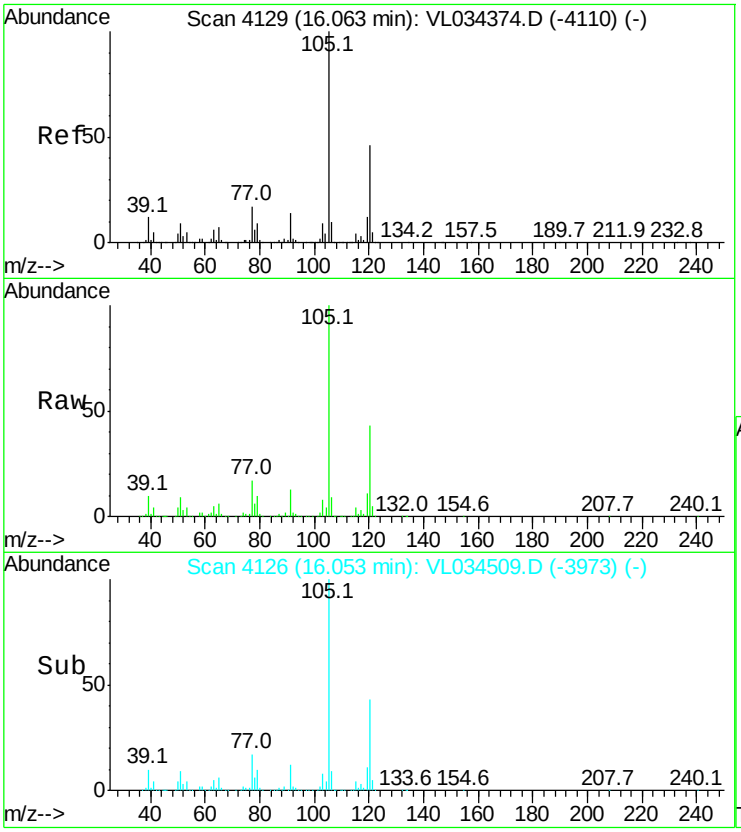


#72
4-Ethyltoluene
Concen: 8.267 ppbv
RT: 15.89 min Scan# 4076
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:105 Resp: 2960795

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.5	35.3
91	14.4	11.4	17.0
77	15.9	12.6	19.0



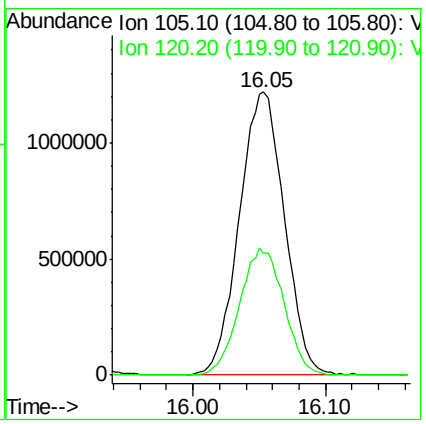


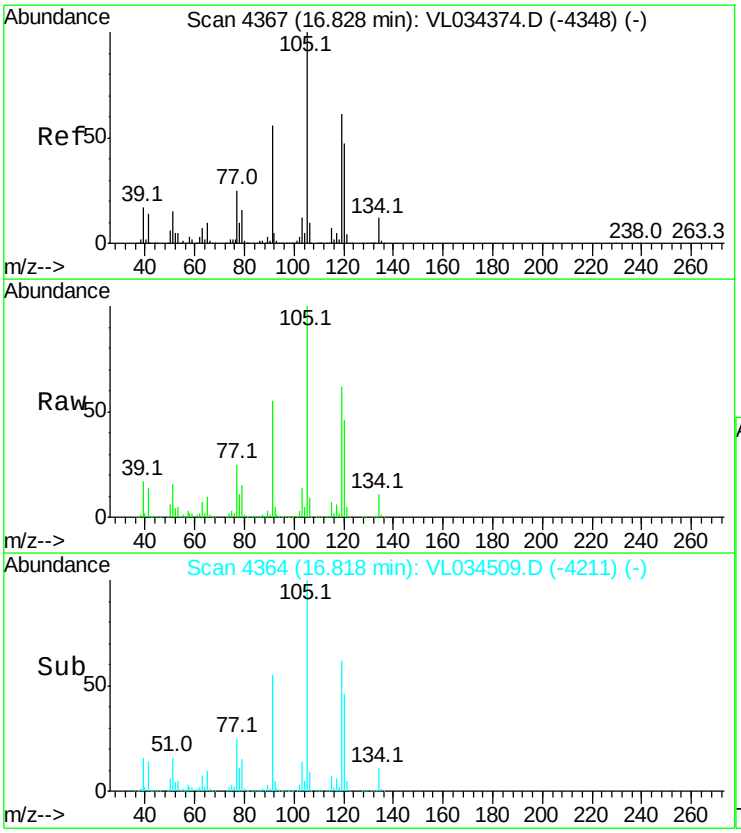
#73
1,3,5-Trimethylbenzene
Concen: 8.163 ppbv
RT: 16.05 min Scan# 4126
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:105 Resp: 2861546

Ion	Ratio	Lower	Upper
105	100		
120	43.3	37.1	55.7

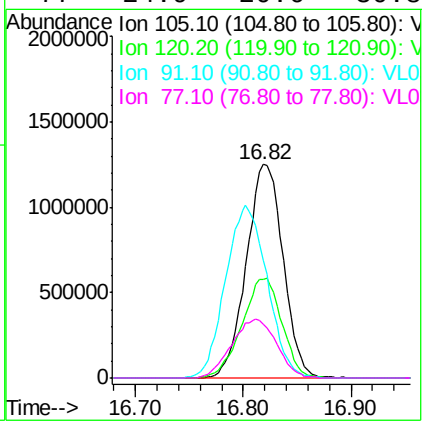


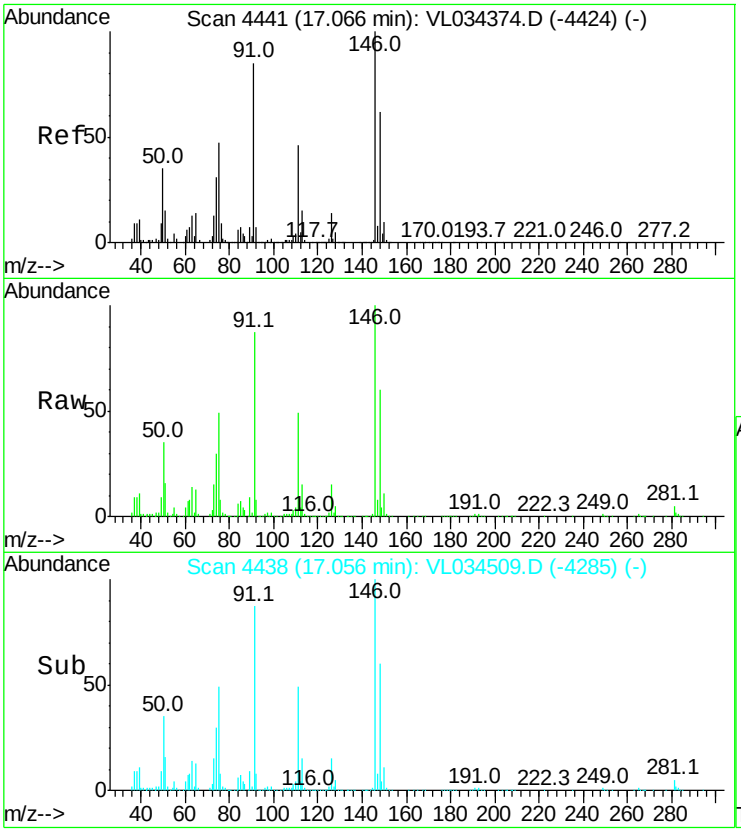


#74
1,2,4-Trimethylbenzene
Concen: 7.949 ppbv
RT: 16.82 min Scan# 4364
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:105 Resp: 2960204

Ion	Ratio	Lower	Upper
105	100		
120	45.9	37.4	56.0
91	55.0	46.3	69.5
77	24.9	20.6	30.8



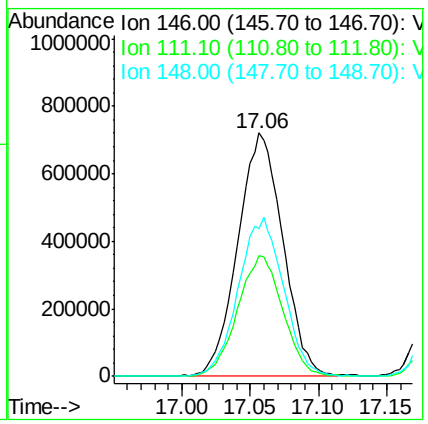


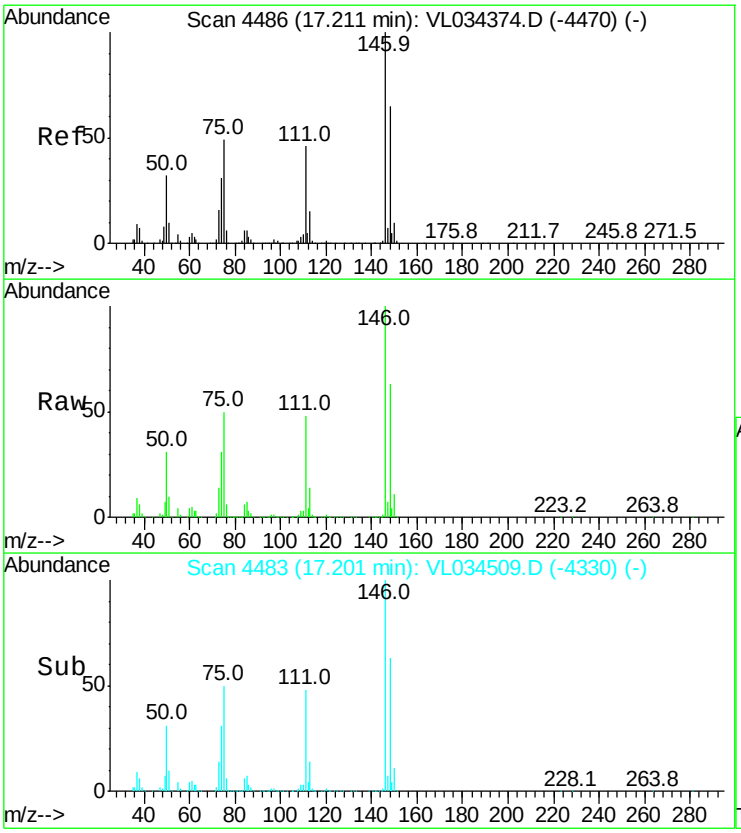
#75
1,3-Dichlorobenzene
Concen: 7.657 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 1638944

Ion	Ratio	Lower	Upper
146	100		
111	50.2	24.4	73.4
148	66.0	32.4	97.0

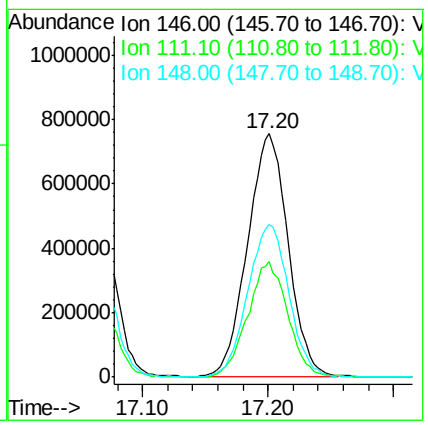


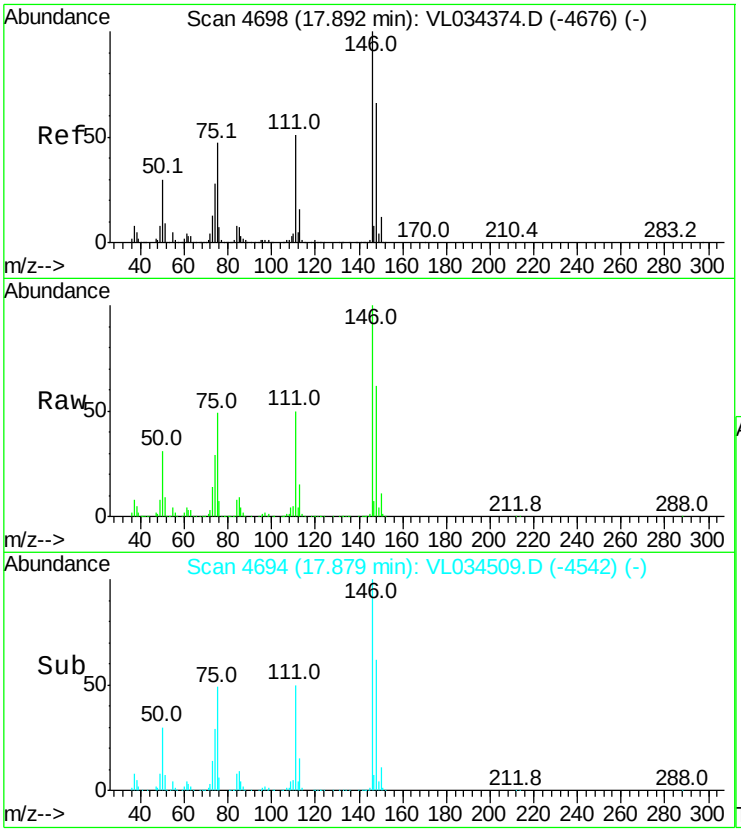


#76
1,4-Dichlorobenzene
Concen: 8.162 ppbv
RT: 17.20 min Scan# 4483
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:146 Resp: 1696587

Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.1	72.3
148	64.2	32.9	98.6



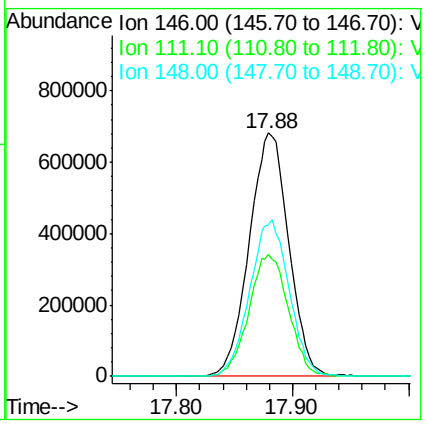


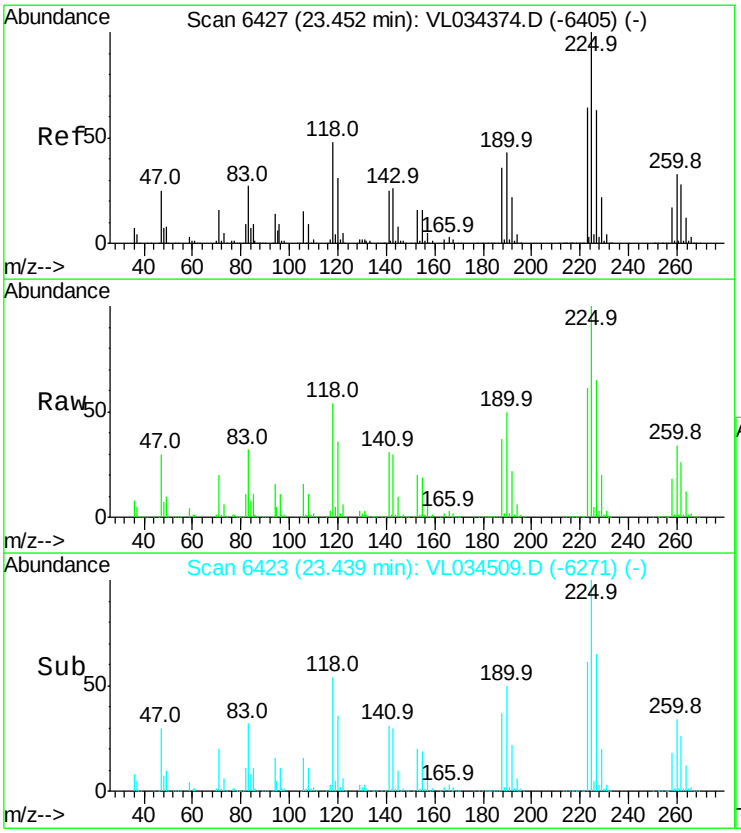
#77
1,2-Dichlorobenzene
Concen: 7.804 ppbv
RT: 17.88 min Scan# 4694
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:146 Resp: 1613348

Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.0	75.0
148	64.2	32.7	98.1

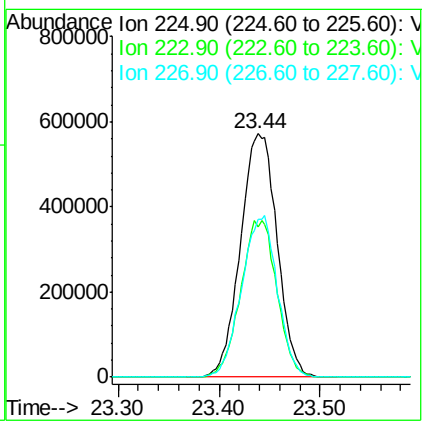


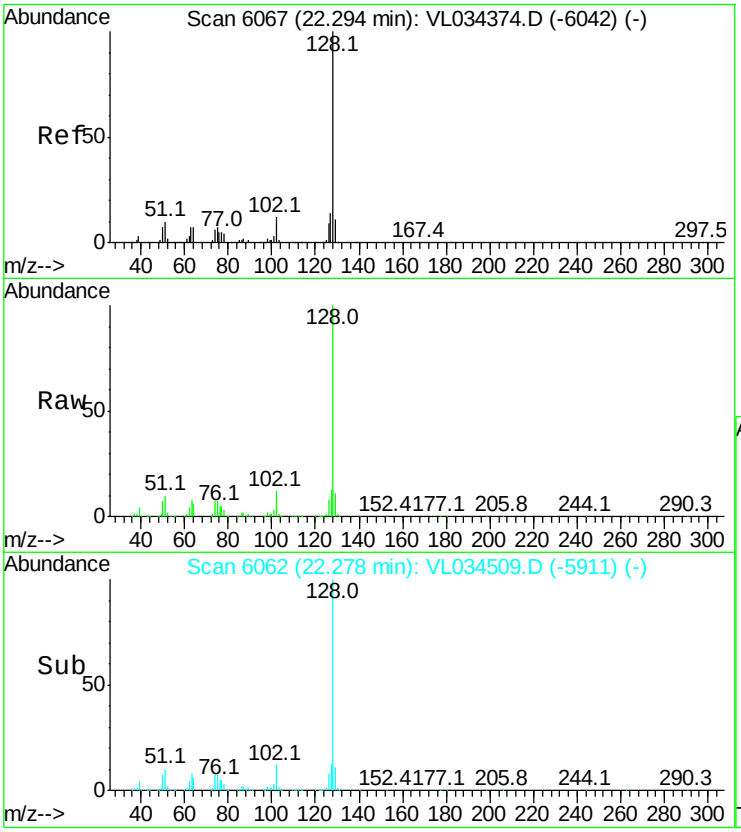


#78
Hexachloro-1,3-Butadiene
Concen: 8.116 ppbv
RT: 23.44 min Scan# 6423
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:225 Resp: 1441641

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.2	75.2
227	64.7	51.5	77.3



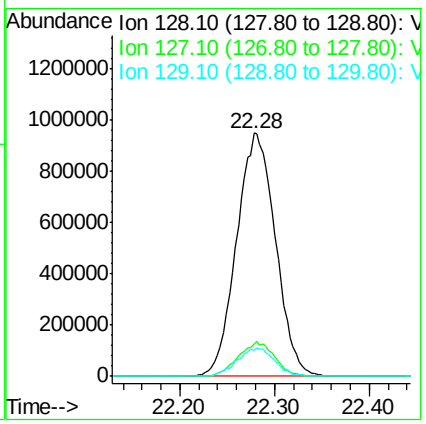


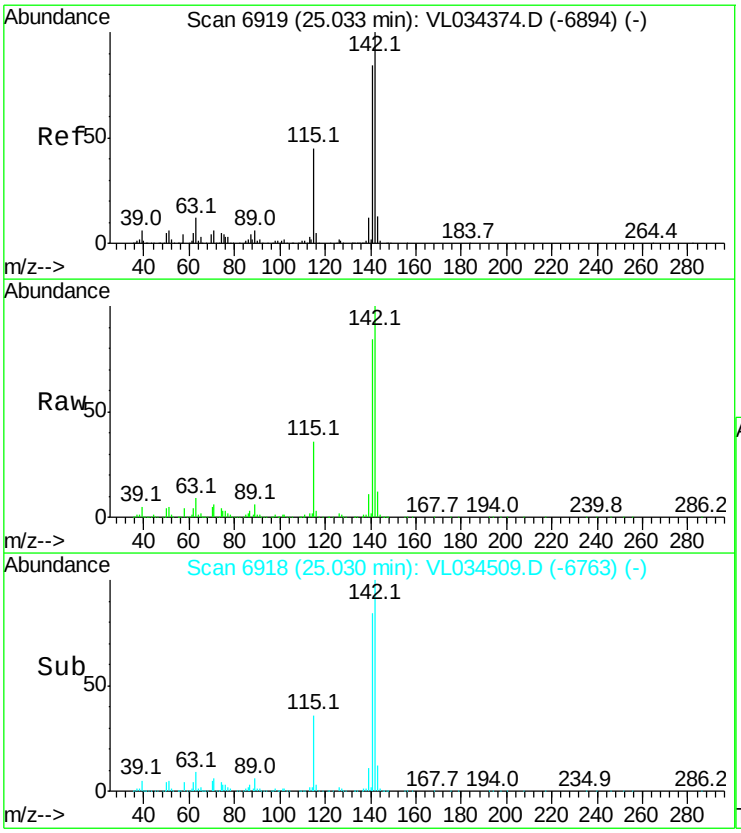
#79
Naphthalene
Concen: 8.380 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. -0.02 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 2705146

Ion	Ratio	Lower	Upper
128	100		
127	13.2	11.0	16.6
129	10.9	8.9	13.3

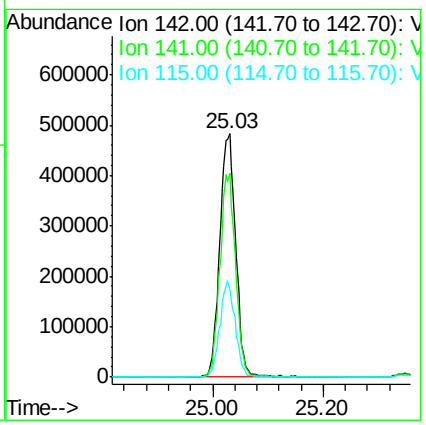


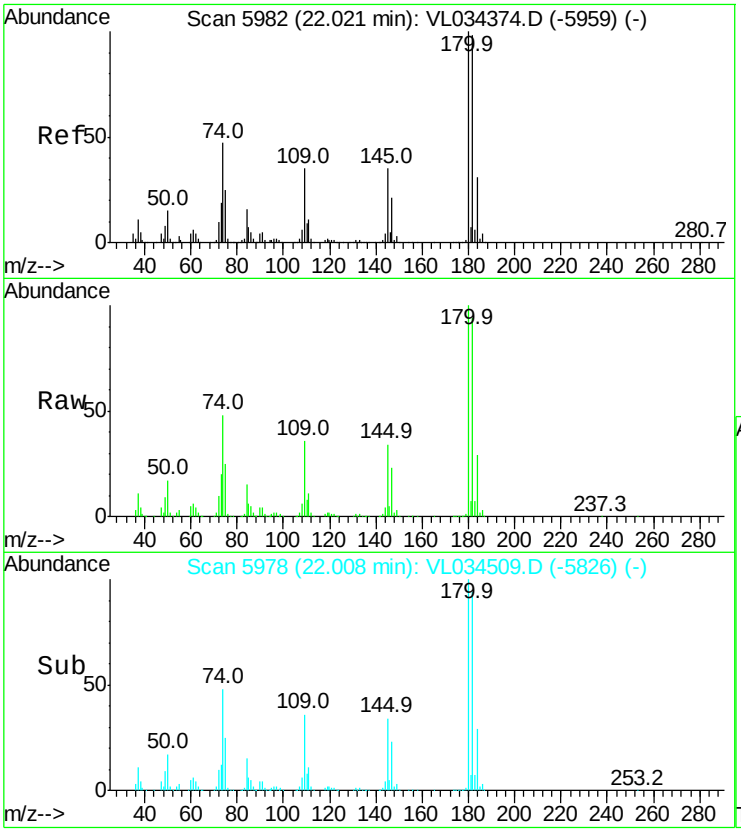


#80
Naphthalene,2-methyl-
Concen: 6.601 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. -0.00 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Tgt Ion:142 Resp: 962263

Ion	Ratio	Lower	Upper
142	100		
141	82.3	67.1	100.7
115	38.0	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 8.132 ppbv
RT: 22.01 min Scan# 5978
Delta R.T. -0.01 min
Lab File: VL034509.D
Acq: 30 Dec 2019 10:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 1612682

Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
184	31.5	24.9	37.3